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# PARKS FLORAL MAGAZINE

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12

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# PARK'S FLORAL MAGAZINE

A MONTHLY DEVOTED TO FLOWERS

LAPARK SEED AND PLANT COMPANY, Inc., Publishers

LAPARK, — PENN'A.

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M. M. Kersh, Director of Circulation

## SPECIAL NOTICE

We are sorry to announce that the edition of Lapark Seed Book and Floral Guide for 1922 is completely exhausted. The best we can do now is to list your name for the Autumn Book to be mailed in August.

## FRIENDS' FLORAL CORNER

### My Special Letter No. 3

The wax form is lifted out of the bath and placed on an inclined rack where it is well laved with boiling water, which causes the copper shell to separate from the wax, the shell being immediately washed with a very strong solution of lye, applied "red hot", to remove all possible particles of wax, oil and dirt.

In the meantime our old friend, the helper, has a great furnace roaring under a pot of sizzling, soft metal, composed chiefly of lead, tin and antimony. Experience teaches the proper temperature, because, if too hot it would burn and destroy the copper shell, and if too cold the metal would not fill out the type sufficiently.

After carefully painting the back of the copper shell with muriatic acid, a sheet of thick tin-foil is spread over it and the shell is laid in a steel pan, which has been heated, as you would a frying-pan for steak, on the surface of the hot metal, and in a minute or two the shell is cooked so that the tin-foil, with the aid of the acid, melts and gives the copper shell a hardness and stiffness it would not otherwise possess. The pan is swung out and lowered onto an adjustable and absolutely level steel stand and filled to the depth of half an inch with the hot metal, so that the type and pictures now have a solid foundation back of their copper face, and cannot flatten out or crack.

As perfectly as the slab of metal cools sufficiently to be handled, the edges are trimmed off with a power saw, which would cut a careless man's hand off in about ten seconds it runs with such speed, and the surface of the plate, as it is called from now on, is scrubbed with a stiff brush and plenty of kerosene to make it shine like a new penny.

It is passed on to the finisher, an expert both by sight and touch, whose table is a heavy, polished sheet of steel. He carefully levels the plate and then turns it upside down and runs it through a planer, which, with mighty strokes, shaves an eighth of an inch or so off the back, leaving it as bright as a freshly polished silver tray.

The next step is tedious to explain, but most important. The finisher has a sort of polishing pad of soft rubber and emery dust, which he passes over the copper type face of the plate, every point the pad touches is left bright and shining, but he knows the dark places are low and would not print, so he turns the plate upside down and, with a round hammer "pounds" the low points up until they, too, are high enough to be reached by the pad. This is repeated three times, or until the type front, or copper side, of the plate is perfectly level, the back, or white metal side, being planed thinner each time, so that it is finally not over three-eighths of an inch thick. The blade of the

planer is narrow and cuts in ridges, but, as the back must be left smooth as well as level, once more our plate is passed through a machine, the blades of which take off a thin shaving, leaving a surface as smooth as a dinner plate.

Fast printing presses, such as we use, always print from curved plates, so that the next process is to run the plate we are working on through a heavy machine which gently bends it to the proper curve to snugly fit around the cylinders.

And now only one process remains, to route out all the parts on the surface that are not to show on the printed page. For instance, suppose a particular page contains a large picture of a Gladiolus, unless the metal between them was routed out the flowers would be in a solid mass instead of showing separately—it is the high points, or the flowers, that keep the paper from touching the base of the plate and being a mere blurred mass. This step is a tedious and delicate operation, requiring a man with keen sight, a steady hand and good judgment.

When he is finished, the plates—seventy-two of them, as that is the number required to print a thirty-two page number of the Magazine, are ready to be put on the huge Hoe Webb press used for printing the Magazine.

Immediately after the printing of one month's number of the Magazine the press is thoroughly cleaned and left in perfect order for the next issue. And now that our plates are all ready let us follow the "job" all through. Of course it would be very much more interesting if you could stand alongside the press and watch what is being done while I explain it.

First, let me tell you that the press contains two enormous steel cylinders, fifty inches wide, and one cylinder twenty inches. To print a thirty-two page Magazine, with red on four pages, these three cylinders must be completely filled with plates, taking seventy-two plates in all.

First, what is called the lower cylinder, which contains the front and back cover pages and the other fourteen pages that are printed on one side of the sheet of paper, is filled with plates, each plate screwed on tight so that it cannot be thrown off when it is moving round and round far faster than one can count. The rollers, steel tubes covered with a rubber-like composition of molasses, glycerine and glue, are put into position around the cylinder, barely touching each other, the ink, which is thick and contained in a box, or fountain, and the surface of the plates. The press is run for a few minutes until there is a very thin coating of ink all over the plates. The paper is then webbed, or "threaded" through, around this steel roller, and under another, dozens of them, so that it will be perfectly smooth when it reaches the plates, and an impression, or print, is taken.

I believe this is my stopping place until the June Magazine. How time slips by! Ice last night a quarter inch thick and yet we are thinking of a Summer number.

GENERAL MANAGER.

Please suggest a flower.

(To be continued)



# PARK'S FLORAL MAGAZINE

LaPark, Pennsylvania.

## THE DAHLIA

**W**E are always looking forward at the beginning of a new season for the time to come when we can plant our Dahlias, and to those who are just beginners in growing these beautiful flowers, perhaps a little instruction about dividing the bulbs will not come amiss. Be sure to get a piece of the stem with every tuber, as some of the bulbs are not connected directly with the stem and are called blind tubers, for they have no eyes. The best way is to place the clump in a warm place before planting and cut where you can see a sprout.

Of some roots that do not form many new tubers during the year's growth we would like to have more plants. This can be accomplished by placing the tuber in a box of sand in a warm place and letting the shoot develop. When it has made a strong growth of six or eight leaves with a sharp knife cut the sprout from the tuber, getting a good piece of the tuber and plant this in a box of sand; another sprout will come which, in turn, can likewise be removed. One can sometimes get six or seven good plants in this way, but if the tuber is small it is best not to take too many, for the last sprouts are always weaker than the first.

I have heard that one can make use of the blind tuber by placing the sprout, cut wedge-shape, in a corresponding cut several inches deep in the tuber, the whole planted the same as other Dahlias, directly in the ground, being sure to get the soil well packed around it to keep out the air. The Government is experimenting with these blind tubers in the making of sugar. Should this prove successful, we will have a market for all the blind tubers that we usually have to throw away. Some of the finer varieties that do not make many new roots are kept rather high in price because of this fact.

Do not try to root shoots from the stalk; these make shy bloomers and are not at all satisfactory. One gets the best flowers by keeping all side shoots off and disbudding. There are always three buds on the end of the shoot; pinch out the two smaller ones, leaving the large centre one to bloom.

When planting the tubers lay them flat in the ground, about five inches deep. The soil should be well enriched before planting, but do not let any manure come in direct contact with the tuber. Keep the ground well stirred and do not let it become dry at any time. A mulch of lawn cuttings or strawy manure on top of the soil is good, also soapsuds, for they make food for the tubers and tend to keep the ground moist. Then, too, Dahlias like plenty of sunshine.

Another important point is not to mix your colors. Place the pinks in one row, or, if making beds, give them a bed by themselves; the effect is much finer. If you want to experiment with crossing Dahlias, select one that is a good seeder and tie up the blossom before it is fully open; then do the same with one from which you intend taking the pollen.

When you have placed the pollen on the flower tie it up again. The cloth can be taken off after the seed pod has set, but be sure to label the crossed pod. Always use Dahlias of equal size and choose colors that blend well. Plants from seed vary, no two coming alike; some will be single, some double, some good bloomers, others poor; cull out all the undesirable ones and keep only the finest.

The Show Dahlias seem to be the best keepers when cut, the large Pæony sorts wither right away. The best time to gather blooms is either in the evening or very early in the morning. If one wishes to send them away they can be made to last longer by plac-

ing the stems in very hot water, about as hot as the hand can bear, leaving them in it for ten or fifteen minutes. Then plunge the stems directly in ice cold water and wrap with a paper wet in cold water.

The best Dahlia blooms come in the Fall when it gets cooler. They are then in great demand as cut-flowers. Every one has his favorite colors, but I have yet to find a finer yellow than Golden West. It is also a most prolific bloomer and fine for cutting. In pink, the Abelone, or Water Lily Dahlia, is hard to beat. I have a seedling of Delice that is fine. Its distinguishing mark from its parent is its



SINGLE AND DOUBLE DAHLIAS FROM SEED

curled petals in the center. From a cross between Abeline and Springfield I have one of the daintiest pink Cactus-flowering varieties I have ever seen.

There seems no end of color combinations, form and size in seedlings, and the Dahlia is the one flower that gives so much return from a minimum of care. There are many new varieties put on the market every year, but the old stand-bys still linger with us and we find few that can take their places. Mina Burtle for red has never been excelled, while Souvenir de Gustave Doazon is always a favorite and, with disbudding and feeding, will give large, magnificent flowers. Copper and Luceo are good yellows, and for a fine Cactus I like

Mrs. Kate Johnson, a lovely pink, though A. D. Robinson is a beauty with cleft petals and is such a wonderful bloomer. And yet, when we see old A. D. Livonia in bloom, we fall in love with it all over again.

Lita,  
California.

#### WINDOW GARDENING

To be successful in growing plants in the window of your home, it is of the greatest importance to begin with plants that are in a healthy state. Experienced florists, with all their accommodations and appliances for successful culture, often fail to bring health to a sickly subject. How, then, can amateurs, without experience, hope to bring back the weakened energies of some petted plant in the less congenial atmosphere of an ordinary dwelling house?

I well know the practice of most of my friends in this respect. After purchasing their supplies of bedding plants from the florists in the Spring, all are taken from the pots and planted in flower beds to decorate the yards and gardens for the Summer months.

At the first sign of frost in the Fall, the plants of Carnations, Fuchsias, Geraniums, Heliotropes, Roses and others that were such tiny slips when planted out in May, are now, many of them, blooming luxuriantly, but Jack Frost shall not have them, they must be saved. Pots are sent for, soil of the most approved

brand is procured from some florist and the plants are lifted with great care and placed in these pots. Our amateur friend is in raptures, so far the plants look just as green and flourishing as when growing in the garden. A day passes, and although they have been shaded and watered with great care, the plants somehow begin to show symptoms of collapse. The Geranium leaves that looked so green and well are now flabby, the Rose buds that held up their heads with such pride now look abashed and hang down.

This state of affairs continues from the time the leaves are simply wilted until they begin to turn yellow and shrivel up, and at the end of ten days many of the plants have died out-

right, while the remainder are in a sad condition. No other results than this will ever be obtained from plants treated in this manner.

Now, having pointed out the wrong way, I will endeavor to show how to succeed in obtaining healthy plants that will grow and bloom freely in Winter, provided they are supplied with the necessary moisture and heat. All plants that are intended for house plants in Winter, when set out in May, should be first plunged, pot and all, in the bed, with the soil even with the rim of



THE POPULAR SHOW DAHLIA S

the pot. In this way they are almost in the same condition as if they had been planted without the pot, for the roots alone are confined to the inside, and when the plants are lifted in the Fall the roots are not mutilated, as must always be the case when the plants are put in the open ground without the pot and the roots allowed to spread out in all directions. One caution, however, is necessary; the hole in the bottom of the pot must be effectually stopped up so that the roots cannot strike through. If this is not done, nearly the same difficulty will be experienced as if they had not been left in the pots, but should proper attention be given to this, house plants of every description will be in fine shape when time to take inside, generally about the 1st of October, when there comes danger of frost.

Forrest Edwards, Ohio.



## OPUNTIA

There are various types of the genus *Opuntia* growing in this county, the most common being *Opulga*, called by some both walking-stick and cane. We have several diversities of this form, varying mostly in blossoms and spines, some being very thickly set with spines, while others have scarcely any. The flowers of this type range in color from pale yellow to a near brown.

*Opuntia Bigelovii* comes next on the list, as there are acres almost entirely covered with this form. The plants grow to a height of from four to six feet; and few other Cactus grow among a patch of this formidable plant, which is the most spiny of any of the Cactus family growing here, and is often called the Electric, or Jumping Cactus. In a dry spell, the joints become loosened from the parent plant, drop on the ground, and take root, forming a new plant.

Next is a flat-leaf form growing to a height of from six to eight feet. Leaves the size of a dinner plate are not uncommon in this type. Spine nests are sparse on the leaf, but the body of the plant is very densely covered with both the golden yellow and brown spines. The flower is yellow, the seed-pod, or fruit, large, and of a sub-acid flavor, used for jelly.

*O. basilaris* is perhaps the most noticeable one of the flat-leaf type, it being floriferous, and the color of the blossom, such a



OPUNTIA IN BLOSSOM

true, canary-yellow, and a pink, and in some places there will be found hybrids. Then we have two forms of *O. frutescens* and four of *O. tessellata*, and there are numerous types of upright growers, varying in size from *O. fulgida* down to *O. tessellata*, some very spiny, others less; some with glistening yellow, some pure white spines, and others more of a grey color. The flowers of *O. frutescens* and the *O. tessellata* are about the size of a silver quarter and are a pale, greenish-yellow.

*O. frutescens* forms a great deal of fruit about the size of a small hazel-nut, and, after ripening, it stays on the plant almost the entire year, and is often mistaken for fruit by those passing, who do not stop to investigate.

The spines of some *Opuntia* are covered by a loose sheath that slips off very easily. This form of spine is found on most of the *Opuntia* of upright, cylindrical form of growth. If one studies the anatomy of cylindrical Cacti, he finds a woody inside punctured at intervals by openings that, together with the inside, or heart, are filled with sponge-like pith. The woody, or fibrous part, of a flat-leaf *Opuntia*, is very pretty, more delicate and lacey than the finest Fern, and one leaf will carry dozens of these fibre leaves in layers. Of course, one can only find this part after the plant is dead and the outer substance, or flesh, decayed. Those persons interested in the skeletons of Ferns and leaves could find some lovely additions to their collections by visiting the Cactus-Land.

Mrs. Chas. Bly, Mohave Co., Arizona.

If you think that there are worms in the dirt of your pot plants, try putting one-half teaspoonful of formaldehyde in a glass of water and pouring this solution on the soil. The worms will come out immediately.

R. H. Deeming, Iowa.

A WELL-FORMED PLANT

rich, deep cerise, makes it conspicuous, even at a distance. There are various forms of the flat-leaf type growing here, some very thorny, some not. There are two colors of blossoms on *O. hystricina*, the





# PARK'S FLORAL MAGAZINE. THE NEW AND THE GOOD IN GLADIOLI



“ALL of the Good are not New, and all of the New are not Good.”  
With this as a text there is much that could be said. The Gladi-

olus family is a large one and increasing every year, and it would seem reasonable to suppose that a new variety should be good, but, unfortunately, this is not so. Many growers of seedlings are not as careful as they should be to give their new varieties a thorough trying-out before presenting them to the public, so that many a new variety flashes up for a year or two, only to find its way into the discard.

Those varieties mentioned in previous articles, while some of them are not very new, have for the most part stood the test of time and are good. It will be a long time before such Gladioli as America, Panama, Mrs. Pendleton, Schwaben and a host of others are out of date, and no one need be ashamed of owning any of the varieties we have mentioned.

But it is not reasonable to suppose that all of the readers of this Magazine are beginners, and it is conceivable that some may have assumed a bored expression and said (to themselves, or to their neighbors): “Don’t they know anything about new varieties up there in Massachusetts? We’ve had all those in that April list and thrown some away. Why not tell us something new?”

That is a good suggestion. Every one should grow something new each year, though it is not wise to invest heavily in untried novelties. One or two bulbs of any variety that has met with favor at any of the large shows will be a good investment. The first cost may sometimes seem large, 50 cents to \$1.00 for a single bulb, and occasionally more, but if the variety is a good one and you are an enthusiast, you will comfort yourself with the thought that it does not really cost so much when you consider that you are buying with the bulb all the little bulblets that bulb will produce, and which will, in a few years, give you a dozen or two beautiful spikes of flowers. A good bulb takes no more room, no more labor, and no more fertilizer than a poor one, and you may be willing to pay something for the satisfaction of feeling that you are strictly up-to-date.

But let us not, in our enthusiasm, forget our text: “All of the Good are not New \* \* \* \*” and we will not go back on our old friends, but make room for some of the new ones in our family circle.

Within the past few years introductions of new Gladioli have been very numerous, and there are many good ones. We cannot name them all, and it is safe to say that no one knows them all. But we

will make a start, and as pink shades are the most numerous, as well as the most popular, we can do no better than to begin with them.



Mrs. Dr. Norton is a beautiful shade of light pink, somewhat deeper at the edges and very light in the throat where there is a touch of yellow sprinkled over lightly with crimson. She is one of the leaders, and rightly so, for in form of flower and spike she is as beautiful as in color.

Christine M. Kelway is an English variety with somewhat the same general color scheme, but the pink is perhaps not quite so dainty as in Mrs. Norton, and there is more red in the throat; a good variety, nevertheless.

From Holland comes Le Marechal Foch, a very large and beautiful flower of shell pink, a little livelier shade than America. It is entirely distinct from Marshal Foch, a Kunderd variety of a deeper and very rich shade of pink. Both are in the front rank of new varieties that are good.

Mrs. Keur and Glory of Kennerland are both names for the same variety. The color is a peach-blossom pink, and at the throat are contrasting markings of yellow and deep crimson. Whichever name is the correct one, and there is evidence that Mrs. Keur was the first used in this country, the variety is a good one, though the spike is not so long as some. The flowers are very large and cup-shaped, but are widely enough opened to show the beautiful coloring at the throat.

None of the recent introductions have eclipsed either Evelyn Kirtland or Gretchen Zang; they are as beautiful and as popular as any of the debutantes and are not so very old either.

Peach Rose is a variety any one might be proud to own. It is described as a deep rose-pink, but there is a glow and warmth about it that does not appear in the description. It is surely not like E. J. Shaylor in color, though both are called deep rose-pink. However, each is good. E. J. Shaylor is of the ruffled type, of which Rose Glory is another good example.

There are a number of good pinks from Holland. Besides Foch, to which we have referred, we might mention especially Liss, in a soft shade of coral and Odin, in rose with salmon shadings and an intense carmine spot

at the throat.

Parliament is an English variety. It is not pink, but neither is it red; rather a light shade of rose-carmine, with a very light throat. It is being widely grown here in the East. From California we have Frank J. Symmes in a very rich shade of coral pink, a tall, imposing plant when well grown. From the Middle West comes Buckeye in a very striking combination of rose-pink with a reddish throat; and Summer Beauty, an effective blending of delicate pink and cream that compares favorably with the ever-popular Myrtle.

Pink Wonder is an eastern variety that has

been well received. Immense is the only word that describes the size of the flowers; so large that they overlap on the spike. The color is a lively shade of rose. Another very large variety is Thomas T. Kent from California, bold and striking in appearance, but the pink color is sometimes not evenly distributed, in fact it is occasionally rather blotchy.

But to even enumerate the good varieties in pinks, with only the briefest of color descriptions, would take a long time and, of course, there are other colors.

Among red varieties the brilliant scarlets like Dominion and Pride of Hillegom are still leaders. Crimson Glow is hardly crimson, but is a good bright red. Vesuvius is a new one from Holland, a clear blood-red, just a little darker at the throat. Red Canna, also from Holland, is a rich, deep shade of scarlet, and a somewhat similar description would apply to Mrs.

Willard Richardson from California.

President Menocal is a ruffled variety of very rich coloring; a light orange-red with an almost creamy throat.

Among the darker shades there are two varieties that are rather hard to classify as to color. Purple Glory is not purple, it is a very deep, rich crimson with almost black shadings. It has an imposing spike of large ruffled flowers that are as rich in appearance as a piece of real old mahogany. Purple Glory is a true aristocrat. Anna Eberius is a deep crimson too, but

of a different shade; sometimes called purple, but it is not that exactly, so let us call it purple-crimson. And there are deeper shadings that produce a very rich, brocade effect. This is one of the best varieties that has come from California and well deserves popularity.

A still different shade of crimson is seen in Charbonier, a French variety somewhat resembling in color the popular Mrs. Watt; but it has a larger, more open flower, and is really quite different, a distinctive variety.

Good yellow varieties are not plenty, in fact many of the yellows are not yellow, as they

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WELL FILLED SPIKES OF BLOOM



# HILL AND HOLLOW PAPERS

BY FLORENCE BOYCE DAVIS

Number Five

## MAY AND ITS IRISES

**I**N one of Ruth Sawyer's delightful Irish stories she tells us about the red cap that the fairies brought to the smith o' Tyrconnell's great-uncle Teig on St. Stephen's night. You had but to say: "Clip clap, clip clap, I wish I had my wee red cap," and out of the air would tumble a neat little cap that, once fitted on a body's head, would transport him to whatever spot he might wish to be.

dainty Alpines and Pumilas of early Spring, and the dwarf Irises that blossom in April and May.

In the first place, let me ask you, "Do you like Irises?" If not, don't read this Hill and Hollow paper, for it is going to deal with Irises to the last word. Even then, "not half will be told," for there are about one hundred and seventy distinct species, and countless va-

rieties.

"The fleur-de-lys," says Ruskin, "is the flower of chivalry, has a sword



Now wouldn't the air be full of travelers if the fairies would but toss us each the red cap!

Where would you go? I can tell you where I would. It would be to one of the famous Iris gardens of ancient Japan, there to feast my eyes to my heart's content on the wonderful flowers that have been so jealously guarded from the outside world.

But I am starting in at the wrong end of the Iris procession. I would better begin with the

### IRIS KAEMPFERI IN ITS NATIVE JAPAN

for its leaf and a Lily for its heart." As far back as we find it mentioned in history it has been a favorite. Louis VII., the young and pious Crusader, chose it for the emblem of his house. In mythology it was a "Messenger from the Queen of Heaven to mortals on earth."

Riding along country roads in May, we come to a marshy meadow. Red-winged Blackbirds are gossiping in the Willows beside the brook. One handsome fellow stretches his wings and shows his red epaulettes, and sings "O-lo-kalee" to his little brown mate who is picking up building material near by. The Blue Flag, Iris versicolor, is just beginning to wear the purple, and here and there are patches of bright color, very alluring, so much so, in fact, that we usually risk getting our feet wet to gather a bunch to carry home with us. It



never looks quite so pretty anywhere else as it does in those wild beds in the marsh, and the year would lack something if we missed seeing it growing there.

Farther along up the road we pass a little brown house with its wild Crab Apple tree standing at the corner, covered with pink bloom and full of honey bees; and beside the picket fence is another patch of purple. These are relatives of the Elags we have left behind; they have prospered, and "come up in the world." Probably if you were to ask them about their family tree, they would disclaim any relationship to the Blue Flags of the marsh. They call themselves Dwarf Irises, and are represented by Pumila and other dwarf varieties. They and the wild Crab Apple tree are making the old place beautiful.

Beside the road that goes climbing and dipping thru the hills and hollows, we come to a whitehouse with green blinds. Here are more Irises, just beginning to bloom. My lady of the whitehouse with green blinds specializes in Dwarf Bearded Irises, and if you turn Dobbin free to crop the new grass by the roadside, and go up to look at her favorite flowers she will come out and tell you about them. The Hybrid Crimean Irises, which are crosses between various dwarf kinds and Iris Germanica, have large, lovely flowers. Here are Balceng Hybrids, crosses between I. Balkana and I. Cengialti. They are the "betwixt and between" ones; they bloom after the earliest and

before the latest dwarf kinds. You will notice they are flaked with contrasting colors. Balceng, Blue Beard, has white standards, flaked light blue, and sulphur falls, prettily marked with purple. Curiosity, another Balceng, has primrose standards and yellow falls, flaked with bronze; and Miss H. M. White is all in sulphur yellow, flaked purple. Curiosity is taller than Miss White, which grows about

nine inches. Another nine-inch Iris is Canary-Bird, standards bright yellow, falls deeper yellow with orange beard. Beside Canary-Bird is Butterfly, a paler yellow, spotted brown. Then there is Blue-stone, a violet-blue, and Ditton Purple, a clear violet-purple; Formosa, with conspicuous white beard against its purple falls; and along in front of the rest is Josephine, a very dwarf, white Iris.

Reluctantly you turn Dobbin back into the road, and jog on.

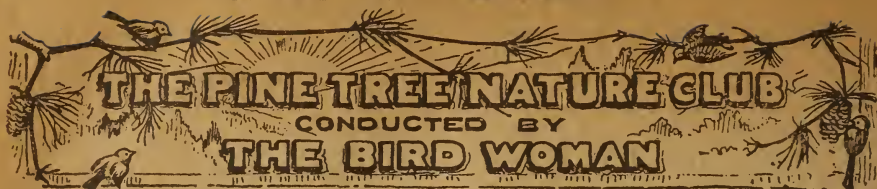
A little later, in June, you will pass many an old home place where you will see a clump of purple Fleur-de-lis in bloom, or one of the old-fash-

ioned yellow Iris. They have come down from the grandmothers' gardens, along with the red Pæony and the purple Columbine. But what would our grandmothers say if they could walk into a modern Iris garden and see the many wonderful kinds, ranging in color through rich yellows, soft blues, claret reds, deep purples, shimmering bronzes, and lavender and white, together with the hybrid forms

(Continued on page 142)



LIBERTY IRIS OR, GERMANICA, MADAME CHEREAU



## OUR ALLIES: THE BIRDS

**M**ay is the month in which to watch out for Warblers, for in May the majority of these little birds are migrating to regions north of the United States, where they raise their families. If you boys and girls are not much acquainted with the Warblers you needn't think it strange, for most of them stay with us so short a time that few, except devoted bird students, recognize them, or have any idea of the brilliant little beauties that flit through our trees and shrubbery during migrations.

A bird glass is necessary if you are going to make a study of Warblers. They are small birds, and very active, flitting about in a way that is quite exasperating when you get one located with your glass and then away it goes: before you have a chance to take a good look at it. But once you have started naming them, it is the most exciting game I know of. For instance, three or four of you take bird glasses and go to the woods in May. You hear a thin little "zee-zee-zee" on an ascending scale, somewhere in the trees. It is the voice of the Black-throated Blue Warbler, and now the fun begins. You follow the call here and there, search the tree tops till your neck aches, catch glimpses of a little bird fitting in and out, and then, at last, you are rewarded with a good look at him which forever settles his identity in your mind. Hereafter, when you hear "zee-zee-zee" in the May woods, you will see in your mind's eye just how the singer looks, whether or not you locate him with your bird glass.

All the Warblers, except the Ground Warblers, are of beautiful plumage; yellow, orange, olive, slate-blue, green, black and white are among the colors they wear. The Ground Warblers have Thrush-like plumage and fine voices; the others are gaily dressed but their songs are wee threads of music, more like the trill of insects than bird songs.

and name. A pocket bird book is fine to take along; for east of the Rockies, Chester A. Reed's Bird Guide is a good one. If you are looking for Warblers, the Myrtle will probably be the first one you see, and he is likely to come into your own garden or shrubbery. He is a little bluish-slate bird, all trimmed up with black and white and yellow, like patchwork. He has a wee yellow cap, and a yellow spot on his lower back, noticeable when he flies. When the Myrtles come back in Autumn their plumage is changing; some have yellow caps, some don't, and in fact they are so mixed up you would think their own mother wouldn't know them.

You will soon learn to identify the Warblers by some special marking. If one flashing through the trees looks like an orange flame, it is probably a Blackburnian; if you see one with a black, jet-like necklace against his yellow breast, it is likely to be a Canadian, or one having a yellow crown and chestnut sides may be the Chestnut-sided Warbler; or a small slate-colored bird with a greenish-yellow patch in the middle of his back may prove to be the Parula. The Parula is a Summer resident with us, and builds a beautiful little nest in the Old Man's Beard moss that hangs from dead Spruces in northern swamps.

The Bird Woman might describe them all to you, but you will never know them till you seek them out for yourself; then you will love them, and watch for their return each year.

This month our topic is Our Allies: the Birds; now let us look to their economic value. Certain birds are the natural guardians of our forests. Warblers, busy as bees in the tops of forest trees, collect the insects which man could never reach with sprays, or in any other way. Insects form 94.99 per cent of their food, the remaining 5.01 per cent is vegetable food.



A HOME ON TOP THE GRAPE ARBOR



A HOUSE FOR EVERY BIRD FRIEND

Now the Bird Woman would like to take all the Pine Tree Club boys and girls into the woods with her this month, and hunt birds with bird glasses; but since this is impossible, she hopes all of you who can will take nature traps and see how many birds you can see

William T. Hornaday in his fine book, *Our Vanishing Wild Life*, says: "In view of the known value of the remaining trees of our country, each Woodpecker in the United States is worth twenty dollars in cash. Each Nuthatch, Creeper, and Chickadee is worth from



five to ten dollars, according to local circumstances. You might just as well cut down four twenty-inch trees and let them lie and decay, as to permit one Woodpecker to be killed."

The Flycatchers do unlimited good as insect destroyers. When you have a Chebec nesting in your orchard, or a Phoebe over your door, be sure you protect them; they are among your best friends. The Kingbird has been slandered, and is frequently shot by bee keepers who think he eats their bees because he is seen around the hives, but stomachs of hundreds of Kingbirds have been examined and very few bees were found, while it was proved that the bird's diet consists mostly of beetles, canker-worms, and injurious winged insects.



Warblers

In farming sections the Meadow Lark is one of our most valuable birds; 73 per cent of its food throughout the year is insects, 12 per cent weed seeds, and only 5 per cent grain.

When it comes to weed seeds his sweetest Professor Beal calculated that the total quantity consumed by Sparrows in Iowa in one year, when Sparrows were normally numerous, would reach 1,750,000 pounds. When we speak of Sparrows we do not include the English Sparrow, for though they undoubtedly do some good, they are more of a pest than a blessing. They drive away other birds, have harsh voices, and are dirty, disagreeable neighbors. They monopolize Flickers' holes, Bluebirds' boxes, Martin houses, and Eave Swallows' nests, and once they get into a place they increase very fast unless means are employed to get rid of them. The value of Hawks and Owls was found by the state of Pennsylvania when in 1885 it passed its famous Hawk-and-Owl Bounty Law. In two years 180,000 scalps were brought in and \$90,000 were paid for them. At the end of two years, "the farmers found their fields and orchards thoroughly overrun by destructive rats, mice and insects, and appealed to the legislature for a quick repeal of the law. With all possible haste this was brought about; but it was estimated by competent judges that in damages to their crops the Hawk law cost the people of Pennsylvania nothing less than two million dollars."

Now there are a few "scalars" among the Hawks and Owls for instance, the Great Horned Owl, who does some good but much harm; Cooper's Hawk, the Sharp-shinned Hawk and the Pigeon Hawk are bad ones; also the Goshawk and the Duck Hawk which are rare. Sharp hunger sometimes drives one of the better Hawks or Owls to pick up a chicken for dinner, but the harm they do is very small compared with the good they do.

A Barn Owl is worth a dozen cats on the place. A pair of these Owls have nested for years in one of the towers of the Smithsonian Institution, and Dr. Fisher has given us a report of their diet. Owls swallow skin, bones and all of their quarry, and these indigestible parts are afterward disgorged in pellets. Dr. Fisher said: "Two hundred pellets consisting of bones, hair and feathers from one nesting

pair of these birds were collected, and found to contain 454 skulls, of which 225 were of meadow mice, 179 of house mice, 2 of pine mice, 20 were of rats, 6 of jumping mice, 20 were from shrews, 1 was a mole and 1 a Vesper Sparrow, 1 bird, and 453 noxious mammals!"



This owl is sometimes called AN OWL, The Farmers' Friend the Monkey-Faced Owl; Mr. Hornaday says it should be called the Farmer's Friend Owl.

Now boys and girls, these are only a few of our bird allies. As you study birds, you will find many others. When we consider that one little Chickadee will eat from 200 to 500 insects or up to 4000 insect or worm eggs in a day, we get something of an idea of how impossible it would be to live without birds.

The Bird Woman has a theory that the more interested boys and girls get in wild life, the more laws we will eventually have to protect

## Large Sums of Money in Old Kettles

Don't throw away any more household or cooking utensils account leaks in them, as a "New York Man" has discovered a harmless powder mixture which after being mixed into putty form becomes hard as stone and successfully mends leaks in Agate, Granite, Aluminum, Copper, Brass, Iron, Tinware and plumbing. Even a child can mix and apply it, as it requires neither heat, acid nor tools, and will not melt.

In order to prove its great value to every reader of this magazine he offers, if you will write within one week from date you receive this paper, to mail you one large regular full size 50 cent package of this Mend-a-leak powder, with full directions for mixing and using, enough to mend 30 to 40 ordinary leaks, by return mail for only 25 cents, or three packages postpaid only 60c, silver or stamps. Or six packages postpaid for only \$1. If silver is sent, wrap well in paper and use strong envelope. Guaranteed as represented or money refunded. Address all orders to Allen Watson, B-727, Avon, N. Y.

This should be a big money-getter for live agents.—Adv.



Ready For The Summer Boarder

it, and the better those laws will be enforced. The boys and girls of today are the men and women of to-morrow

Next month we will study Butterflies and Moths.

### AMONG OURSELVES

Our youngest member is a little Vermonter, Conwell Meriden Richardson, who is four years old, and has fed the birds two Winters. One chickadee was so tame it ate nuts from his hand. Next in age comes Edward Tinsley, of Virginia, who is six years old. His sister, Zelda, age nine years, says in an interesting letter: "We have been feeding the birds all Winter. We had English Sparrows, Blue Jays, and several Cardinals. We put out bread crumbs, oats, cracked corn and seed. My mother is writing the questions and answers under Pine Needles in a tablet. She is very much interested in the Club."

F. S. Wyndham, of Virginia, writes he has been feeding Sparrows, Robins and three little Wrens and a Redbird the past season.

Flora May Lawrence, of New York, speaks of a large ledge near her home where many birds nest in Summer. A fine place to study the birds, Flora. See how many kinds you can name this year.

Hazen Hubbard Boyce, of New York, is interested in rabbits and Guinea pigs, and will give us some first-hand information later on.

John Ellman, of Illinois, writes: "I wish to join the Club, and will do my best to uphold it." That's the spirit to have, John! We like to have members talk that way.

From away out in the State of Washington comes a letter from Virginia Henderson, who would like the different members to write about birds of their States.

Mary Moffatt, of Connecticut, is also desirous to read "reports from real boys and girls as to what flowers grow, what birds live, and what trees grow in different parts of the country."

Helen V. Lamb, of Indiana, has been in a nature club for three years, and writes nature stories and poems in her school work. Tell us about your club, Helen.

Miss M. Virginia Boughman, teacher of the North School, Lanesboro, Mass., writes that she and her pupils are much interested in our nature study club, that they have a feeding station for birds, and are also interested in trees and flowers. Success to you, Miss Boughman! The Bird Woman hopes the time will come when nature study will be included in the work of every school in our country.

Roy Alfred Harwood, of Ohio, wishes to become "a boosting member of the P. T. N. C.," which is just the kind of members we are looking for. He writes of seeing and feeding a Robin February 3d, and asks if it was a very early arrival from the south, or if it had remained through the Winter. We think probably the latter, for Robins are often resident as far north as the forty-second degree of latitude, and even in Vermont lumbermen sometimes report seeing them back on the mountain in Winter.

### PINE CONES

For "Cones" this month we are going to give you our list of new members of the Pine Tree Nature Club. These names were sent in before March 5th; others will be printed later. As you will see, our membership extends over quite a number of States. We hope every star on the Flag will be represented before this year ends.

## Alexander's Dahlias

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Rose-pink Century, pink Single

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**P. T. N. C. Members**

Conwell Meriden Richardson, Waitsfield, Vt.  
Blanche Meunier, Winooski, Vermont.  
Helen E. Phillips, Moretown, Vermont.  
Hope C. Prosser, Lisbon Center, Maine.  
Mary Moffatt, Derby, Connecticut.  
William Kerr, Dorchester, Massachusetts.  
Hazen Hubbard Boyce, Binghamton, N. Y.  
Flora May Lawrence, Lafargeville, N. Y.  
Joseph Herzog, Bronx, New York, N. Y.  
Kenneth Stuart, South Plymouth, New York.  
Melvina Berbert Hammond, Mahopac Falls, New York.

Laura C. Wilmer, Center Moriches, N. Y.  
W. Hurley Vognetz, Muncy Valley, Penna.  
William Cramer, Williamsport, Penna.  
Elma S. Peck, Swarthmore, Pennsylvania.  
Marjorie Salen, Cambridge Springs, Penna.  
Emma L. Hastings, Spring Mount, Penna.  
F. S. Wyndham, Hedgesville, West Virginia.  
Zelda Tinsley, Low Moor, Virginia.  
Edward Tinsley, Low Moor, Virginia.  
Mary Edna Wilson, Franklin, Georgia.  
Willie Eich, Ft. Davis, Alabama.  
Lois Eich, Ft. Davis, Alabama.  
Margaret Wening, Marietta, Ohio.  
Roy Alfred Harwood, Toledo, Ohio.  
Oliver Beihold, Decatur, Indiana.  
Mary E. Hutchinson, Thornton, Indiana.  
Helen V. Lamb, Greenfield, Indiana.  
Leota Houser, Trowbridge, Illinois.  
Esther Schaeffer, Elgin, Illinois.  
Cecelia Bergren, Elgin, Illinois.  
Gertrude Hiene, Elgin, Illinois.  
Gladys Sommers, Elgin, Illinois.  
Elsie Korstein, Elgin, Illinois.  
Laura Schmidt, Elgin, Illinois.  
John Ellman, Chicago, Illinois.  
Leona Easterday, Memphis, Missouri.  
Shelby Chader, Slater, Iowa.  
Dorothy Sowles, Kalamazoo, Michigan.  
May Rice, Volga, Kentucky.  
Voris G. Gresham, Mayfield, Kentucky.  
Francis Kehlnhofer, Milwaukee, Wisconsin.  
Vivian Grandy, Black Creek, Wisconsin.  
Walter Jackman, Louisville, Nebraska.  
Oma Freeman, Shawnee, Oklahoma.  
Kathryn Mershon, Okmulgee, Oklahoma.  
Ellen H. Swan, Fruita, Colorado.  
Ruth E. Swan, Fruita, Colorado.  
Ethyle Curtis, Athens, Texas.  
W. F. Kantz, Industry, Texas.  
Edgar Hailey, Lindale, Texas.  
Lois LeClair, Pettibone, North Dakota.  
Roy Duncan, Aberdeen, Idaho.  
Virginia Henderson, Seabold, Washington.

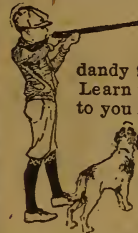
**PINE NEEDLES  
May Questions**

- I. Why should a farmer welcome a Cuckoo in his Apple Orchard?
- II. What bird eats potato beetles?
- III. What is the character of the Purple Martin?
- IV. What is driving these birds from the North, and what happens to them in the South?
- V. What family of birds is important in the South in the war against the cotton boll weevil?
- VI. Name two other birds next in importance as weevil destroyers.
- VII. How many species of birds help man to fight his enemy, the codling moth?
- VIII. What birds are especially valuable in orchards in controlling the railroad worm?
- IX. How is the Baltimore Oriole useful to man?

(Concluded on page 153)

**DRINK CRESCENT  
ORANGEADE  
MAKE IT YOURSELF**

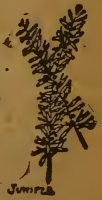
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## EXCHANGES

Miss J. M. Hugh, 200 Orient St., Bayonne, N. J. Anything useful for Snowdrops, Colchicums, Scillas, Ranunculus and Anemone bulbs, and Tobacco Rose.

Mrs. Inga Piepenhagen, Cheseburg, Wis. Tansy, Peppermint, Lemon Mint, Caraway, Spearmint and Chives for Lavender, Rosemary, Thyme, Tarragon and Hop roots. Write.

Mrs. Rosa A. Bliss, Corcoran, Calif. Cannas, Century plants, Iris and Narcissus; and Amaranth, Zinnia and Centaurea seed for Snowdrops, Christmas Rose and others. Write.

A. R. Corson, Ashland, Va. Quilt patterns and Virginia view post cards for seeds and plants. Write.

Mrs. Clarence I. Carlton, Box 212, Woolrich, Maine. 20 varieties flower seed for bulbs, Dahlias, Everbearing Strawberries and plants. Write.

Mrs. F. D. Grant, Box 2, Phoenix, Ariz. Native Cacti for flower seed, bulbs, berries and Cacti.

Mrs. Frank A. Oster, New Harbor, Maine. Veronica, Tiger Lily and Monk's Hood for Bleeding Heart and others. Write.

G. M. Roberson, Batsan, Ark. Ferns, Hydrangeas, Phlox, Crinum and Roses for bulbs, plants, Roses, Mums, Iris and Amaryllis.

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Be sure to ask for the double strength Othine, as this is sold under guarantee of money back if it fails to remove freckles.

(Continued from page 137)

with their rich combinations of color? I think they would marvel at it as much as at seeing men fly like birds, and several other things that have happened since their day.

To try to give anyone an idea of all the beautiful Irises that are grouped under the head "Germanica," would indeed make a long story. So we will just tell you about a few favorites of our Iris border.

First to bloom is Kharpur, a large velvety flower, standards violet, falls violet-purple, flower-stems rigid. Purple King, which is all purple, and Crimson King, claret-purple, bloom about the same time as Kharpur, the last of May, or first of June in Vermont.

Viola Grandiflora is one of the Pallida section, which are mostly tall Irises, two to four feet, with wide luxuriant foliage that is ornamental as long as Summer lasts. Viola is a rich violet-blue, with a fragrance that reminds one of orange blossoms. It blooms a little later in June than Juniata, another Pallida, one of Farr's seedlings, and to me the most beautiful of all Irises. It is the tallest of the Bearded Irises, with graceful, drooping foliage, clear blue flowers with a delicate lemon scent. The flower-stems need supports as they grow so tall and are very heavy with buds. There is something ethereal about Juniata. I can never pass it when it is in bloom without stopping to have a word with it, and inhale its fragrance.

Pallida dalmatica in the catalogues is described: standards fine lavender, falls clear deep lavender, but our dalmatica we think comes nearer to being a clear light blue; the flowers are very large and very beautiful. This is a forty-inch Iris.

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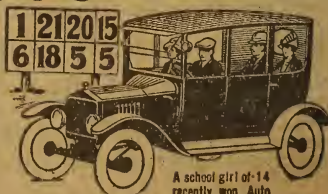
Can you make out the two words spelled by the numbers in the picture to right? The alphabet is numbered—A is 1, B is 2, etc. What are the two words? Can you work it out? Send no money with your answer, just the two words and your name and address.

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**YOU CAN WIN THIS IDEAL ALL-YEAR CAR**

Can you solve this puzzle? Try it and send your answer today. Surely you want this fine new latest model Ford Sedan.



A school girl of 14 recently won Auto



Queen of May, a thirty-two inch Iris, is almost a pink, with a lilac tint. Very lovely.

Jacquesiana (syns. Caroline de Sansel and Conscience) we call our Spanish lady. The standards are a coppery crimson, falls rich maroon. It belongs in the squalens group, which have standards of clouded shades of copper, fawn and bronze. Jacquesiana is a very rich Iris. One flower-stalk in a vase on the reading table gives distinction to the room. Like all of the German Irises it is fine for cutting, as the buds will expand in water until the last one has opened.

Madame Chereau we consider one of the most beautiful of the plicata section, all of which are white with colored margins. Madame is bordered with clear blue.

We do not like yellow Irises in combination with our Iris of other colors, though that is just a matter of taste. Our yellow Iris, Beaconsfield, falls crimson, and Honorabilis (syn. Sans Souci) falls mahogany-brown, are set each side of a garden walk and make shiny borders.

All German Iris should have a sunny, well-drained situation. Do not bury deeply, as the rhizomes like to creep on the surface and bake in the hot sun. They may be divided and replanted almost any time after blooming if care is taken not to let the roots dry out, though August and September is their dormant season, and the best time to set out. If planted too late, freezing and thawing is apt to heave them out of the ground.

Many of the Beardless Irises are wonderfully artistic. The Siberian are dainty and elegant, with narrow, grass-like foliage and tall stems that hold up their flowers like a bouquet in a vase. The buds of orientalis are conspicuous in crimson spathe valves, the blossoms are a bright, handsome blue. This Iris grows three feet tall.

Pseudacorus, the Yellow Water-Flag of Europe, grows three feet or more tall, and is quite accommodating about its location. We have two fine clumps growing on a dry lawn, though it much prefers wet ground, and grows luxuriantly if partially in water. Once we passed a little brown house that set on a hillside like a Song Sparrow's nest. From a nearby spring water drained down over the bank, and Pseudacorus literally covered the hill with its graceful green foliage and bright yellow blossoms.

Tectorum (syn. Tomiophora) is a Beardless Iris with a story, for this is the Roof Iris of Japan. Who wouldn't like a cottage with a thatched roof on which was growing this beautiful blue Iris?

The last scene in the Iris pageant comes when the wonderful Iris Kaempferi put in an appearance, clothed in all their purple and golden splendor. If one has never seen the Japanese Iris at its best, with great blossoms a foot across, it is hard to imagine how beautiful they are. They should be planted in August or September; a rich, mellow loam, plenty of moisture in Summer, and the ground kept well stirred, seem to be their requirements. Take a catalogue and read about them; black-purple, Tyrian blue, dark claret, dark garnet, veined and bordered and blotched with gold and white, and when you get to the end of the list you will not only want to own them all, but you, too, will be saying, "Clip clap, clip clap, I wish I had my wee red cap!" and wishing to fly away with me to the famous Iris gardens of old Japan.



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Out in the garden at break of day,  
Chasing the bugs and worms away,  
Tenderly caring for each tiny sprout,  
Lovingly watching each leaf coming out.  
Just enough sunshine and just enough shade.  
Trying so hard flower babies to save,  
Each little seedling is tiny and small;  
Still the true gardener has love for them all.

For those little seedlings so tiny and small,  
May some day be plants very graceful and tall,  
Filling the garden with richest perfume,  
Bursting at daybreak into radiant bloom.

So works the gardener at break of the day;  
Chasing the bugs and the worms away,  
Living in hopes of a future day  
When we see all those seedlings in beauty arrayed.  
Mountain Lily, California.

**THE FROZEN GLADIOLUS**

If you think your Gladiolus bulblets have been frozen during the Winter plant them anyway, for I have had bulblets come up that I really did not expect would, because I thought they had been frozen. The bulblets are covered by a hard shell that protects them to a certain degree from the cold. You cannot secure blooms the first year on all varieties, but a real lover of flowers naturally has the patience to wait for results.

W. E. Chase, Massachusetts.

A blue Lobelia, Sweet Alyssum and a white Begonia blooming in the window furnish us with all the cut-flowers we need in our house. "Love-in-the-Mist".

**--and this is the way to**



**"Use Sloan's"**

**for Pains  
and Aches**

Take a piece of absorbent cotton, soft cloth or sponge, soak it with Sloan's Liniment and apply to the aching spot, thoroughly saturating the skin. It *penetrates without rubbing* and the more freely you use it, the quicker the results.

Forty years ago, Dr. Sloan perfected his liniment for the purpose of relieving pain, and its constantly increasing sales are proof of the reliability of Sloan's Liniment as pain's enemy.

Sloan's is the largest selling liniment today and is sold practically all over the civilized globe. It counts its friends by the hundreds of thousands. Ask your neighbor.

As a counter-irritant it brings a fresh supply of blood and frees the aching parts

from congestion, producing a sense of warmth and comforting relief from pain.

It is certainly effective as applied externally for rheumatism, neuralgia, sciatica, lame back, lumbago, sore or overworked muscles, sprains and strains, stiff neck and the pains that come from weather exposure.

You take no chances in buying a bottle of Sloan's Liniment today in case of a sudden attack. Sold by dealers you know and can trust, 35c., 70c., \$1.40.

Keep it handy

**Sloan's  
Liniment** (Pain's  
enemy)



(Continued from page 135)

might say in Ireland. For a long time Schwaben and Golden King were the best in common cultivation, but lately there have appeared three others: Flora, Golden Measure and Gold. None of these have the prominent throat markings of the two first mentioned. Flora is of a deeper yellow shade than Schwaben, and is a beautiful flower, even though in some soils and seasons it shows a slight coppery suffusion at the tips of the petals.

Golden Measure, introduced by Kelway, of England, in 1905, is not a new variety, but it is still expensive, and so is just coming to be known. It is a little deeper in shade than Flora, but is not under all conditions a pure yellow. A large basket of it exhibited at the Boston show a few years ago showed an almost apricot tinge at the tips of the petals, but this does not detract from its beauty.

Gold is hardly on the market yet. As shown last year it appears to be the best pure yellow, and apparently it does not "blush" in the sun like Flora and Golden Measure. It promises to be the much-sought-for, pure yellow Gladiolus.

Yellow Hammer and Mongolian are not new but they are good, though not in the class with the three just mentioned.

Of course there are pure yellow varieties in the Primulinus Hybrids and some of them will be found in any good mixture of these dainty flowers. And there are named varieties, too; perhaps Gold Drop is one of the best.

A little way off from the yellow are the apricot shades, of which the Prince of Wales is a good example. There are not many orange or apricot varieties, and the Prince is still a leader. Newer than this one, and of an orange color is Alice Tiplady, which has the hooded form of the Primulinus, but is much larger. Primunella, too, is a prize winner, a very large, ruffled Hybrid in a bright orange-saffron with yellow shadings. Mrs. Mary Stearns Burk combines the yellow and apricot shades very effectively, the tips and edges of the petals being suffused with apricot, while the rest of the flower is a soft shade of yellow.

Pure whites are not common. Europa, though not new, has not been beaten yet when we consider size and purity of color and beauty of spike, though there are rumors of new varieties to come that may prove superior in vigor. Not that Europa is weak like Rochester White, but the foliage does not always show that bright, clear green of the ideal Gladiolus. L'Immaculee is good but is not better. Crystal White is really white except for a rather prominent violet spot at the throat, resembling Peace in this respect, but neither this nor Lilywhite, though both are good, is as large or as finely formed as Europa.

Mary Pickford is a creamy white of moderate size, and promises to be a good cut-flower variety. The Duchess of Wellington is another new white of considerable promise.

A new one in the heavily throated type represented by Hohenstaufen and Rouge Torch is Henry C. Goehl, which is white, lightly flushed pink, with a crimson blotch at the throat. A ruffled variety of somewhat the same general type is Hollyhock, having a tall, imposing spike, with flowers of white slightly tinged with cream, and with a crimson throat, but the blotch is not quite so prominent as in the other varieties mentioned. The name Hollyhock is well chosen, as the flower is rounded in form, and with its ruffled edges it much resembles its namesake.

# It's Nerve Force from Nuxated Iron

that helps make **STRONG, MAGNETIC, FORCEFUL MEN**, who make their over-mastering presence felt the moment they enter a room.

## NUXATED IRON

contains the principal chemical constituent of active living nerve force in a form which most nearly resembles that in the brain and nerve cells of man. It also contains organic iron like the iron in your blood and like the iron in spinach, lentils and apples. Organic iron enriches the blood and plenty of rich red blood means more nerve force, so that Nuxated Iron not only feeds what might be termed artificial nerve force to the nerve cells, but it stimulates the blood to manufacture a greatly increased supply of new nerve force. If you are weak, nervous or run-down, get a bottle of Nuxated Iron today, and if within two weeks' time you do not feel that it has increased your nerve force and made you feel better and stronger in every way, your money will be refunded. Sold by all druggists.



**PARKER'S HAIR BALSAM**  
Removes Dandruff—Stops Hair Falling—Restores Color and Beauty to Gray and Faded Hair  
60c. and \$1.00 at Druggists.  
Hiscox Chem. Wks. Patchogue, N. Y.

# CATARRH TREATED FREE



10 days to prove quick relief. Dr. Coffee had catarrh, deafness, head noises. Two surgical operations failed. He found a treatment that gave complete relief. Thousands used it successfully. Want you to try it free. Write

DR. W. O. COFFEE, Dept. 119 Davenport, Iowa

## BOYS AS WELL AS GIRLS CAN HAVE THIS VIOLIN



**GIVEN:** This real, sweet sounding violin, with bow, rosin and gut strings; finished in richly polished rosewood color. Its special high arching at bridge assures a nice full tone.

Given to anyone who sell 30 cards of easy selling dress snap fasteners at 10c a card.

Guns, watches, baseball suits, phonographs, movie machines, etc., all given. Get big free list of rewards.

**SECCO SALES CO.** Dept. P2. Salem, Mass.

The great blemish in many of the white varieties is the pink feathering that develops under various conditions of sun or soil, so much so that occasionally a variety described as white would easily pass for a pink. This condition is frequently seen in Peace, and some of the newer varieties also show it. Snow Boy, two years ago in Boston, was shown with considerable pink, and at last year's show some of the vases of White Wonder could have been entered in the pink classes. What causes this condition is evidently not known, since it is variously attributed to hot sun, to an excess of potash in the soil, or too much moisture, but when some spikes in a row show the pink and some do not, it seems more reasonable to say we do not know much about it.

The ideal white is one that is all white, and stays white under all conditions, and has at the same time plenty of vigor and size. Europa is said to lack vigor, but that is an exaggeration, though no doubt true under some conditions; so that a good white of vigorous growth would come a little nearer the ideal. Perhaps Marie Kunder approaches this condition as nearly as anything to date.

The "blue" shades are coming fast, though none of them are blue. "Conspicuous" is correctly named; there is a very large spot of

deep purple at the center which gives the appearance, at a little distance, of a gigantic bee in the throat of the flower, in marked contrast to the lavender of the petals. Catherine and Muriel are both good; Catherine being somewhat similar to Mr. Mark, and deeper in color than Muriel, which is of a clear lavender shade, and without the prominent throat markings of the other two. Rev. Ewbank is similar to Muriel; if anything a little better.

Louise and Mrs. Frederick C. Peters are both good lavenders, both comparatively new and thoroughly up-to-date, but Byron L. Smith is by no means ready to take a back seat, and there is no reason why he should; nor Mary Fennell either, for that matter.

Herada holds its own as one of the best deep, clear lavenders, with Elkhart as a newer rival. Fair Columbian is a good shade of lilac. Florence is a good violet, not a blue-violet nor a lavender. It somewhat resembles the older variety Rosella (syn. Kathryn), but is even better.

No claim is made that the above list contains all of the good new varieties, but, while incomplete, it offers a few good examples in each of the principal colors. They are not necessarily the most expensive; there are varieties that



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Great big value, every one, A-1 Quality

Giant exhibition asters, 75 plants,	\$1.00
Giant flowering pansy, 30 plants	1.00
Perennials, 6 kinds of my selection, 15 plants	1.00
10 aster, 10 snapdragon, 5 salvia	1.00
100 white plume celery	1.00
The five sets \$4.50 prepaid.	

Paul L. Ward, Plantsman, Hillsdale, Michigan

### Scott's Gladiolus

White Giant, the finest pure white variety grown; long, strong spikes, well filled with handsome, large, pure white lily-like blooms. Very early. Write for prices per 100.

GROVER C. SCOTT, Lapark, Pa.

### CACTUS

Choice of 25 New and Interesting Varieties including Niggerhead, Intertextus Eng, Wislizeni, Uncinatus Gal., Chloranthus, Conoides, M. Radiosa, etc. Our Special Collection Mixed Varieties. Good sized plants.

10 For \$1.00, Postage Paid.  
GROVER C. SCOTT, LAPARK, PA.

### DAHLIAS

Selected Field Grown Roots

-10 For \$1.00-

Our mixture consists of some of the best, and rarest varieties, Cactus, Peony Flowered, Decorative, Show, Collarette, Pompons, etc. etc. All are good quality flower producing roots, and even at this low price we prepay postage.

Jersey Seed Farms, 157 Water St. New York.

## STRAWBERRY PLANTS

We are firmly convinced that our **Jersey Queen Strawberries** are without exception the best all around berries grown, by anyone, anywhere.

Largest, Reddest, Juiciest, Sweetest, Firmest, Best Keeper. Excellent for Home Consumption, Canning or Shipping.

Plants are well grown, properly selected, strongly rooted, freshly dug on day of shipment, carefully packed, and are guaranteed to reach you in healthy planting condition, or we refill order.



Strawberries are easily and quickly grown. Nothing more delicious than a saucer of Jersey Berries with Jersey Cream. Never before have we offered so fine a lot of plants. Order early, prompt shipment and satisfaction guaranteed.

100 JERSEY QUEEN PLANTS	\$1.50
500 " " " "	\$7.00
1000 " " " "	\$10.00

We prepay mailing charges on all orders of 500 plants or less. Larger orders by express.

**JERSEY SEED FARMS, 155 Water St., New York.**





are listed at from \$5 to \$25 each, whether worth it or not those who buy them can judge, all we claim is that we have named good varieties.

We realize that word descriptions are very inadequate as a help to visualizing the beauties of any flower. Not even a fully illustrated catalogue can take the place of a visit to a Gladiolus garden or a good flower show. The enthusiastic descriptions by those who have originated a new variety must often be taken with a little discount unless the variety has been widely tested. The same flower will not appeal to every one alike; we all have favorite shades or colors and personal preferences are likely to be somewhat prejudiced.

You know what you like, and, by comparing notes with your neighbor, and by trying out a few new varieties each year from the catalogues of those in whom you have confidence, especially those varieties that have won prizes at the flower shows, you will be able to choose for your garden a collection that will satisfy you, and that will, at the same time, embrace many of "The New and the Good in Gladioli."

Thomas M. Proctor,  
71 South St., Wrentham, Massachusetts.

NOTE.—Mr. Proctor will be very glad to answer any questions in regard to Gladiolus. I am sure his articles are interesting and helpful. In fact the Magazine is fortunate to have Mr. Proctor at all, and I hope those of our readers who are interested in Gladioli have been reading the articles and will have questions to ask that will indicate an interest in what we are trying to do to make the Magazine a necessity to every one interested in flowers.—EDITOR.

In marking off the different plots of seed in your garden just break off Privet, Weigela, Mock Orange and other shrubs to hold the empty envelopes. Several sturdy young bushes will reward you for the slight effort.

Mrs. G. Hopkins, New York.

## GLADIOLUS

Gladiolus! Sunset glow;  
Dawn-encrimsoned heights of snow;  
Sun-laved tint of canyon-spire;  
Cliff o'erplayed by camper's fire;  
Tepee light on torrent fang.  
Signal torch from rim-rock swung;  
Rush of flame through forest top;  
Sea of flame through meadow drop;  
Colorado's splendid gorge;  
Kilauea's throbbing forge;  
Rich auroral light astream;  
Glowing meteor's fiery gleam;  
Hint of the great Judgment Day;  
Grime and grossness burned away,  
Earth like Eden 'ere the fall,  
And God's love high over all.

Gladiolus! Flush of dawn;  
Diadem of Solomon;  
Tint of sea-shell, rich and deep;  
Flash of tropic wings asweep;  
Warm-hued silks of Indostan;  
Cherry blossoms of Japan;  
Sprays of coral; flakes cerise  
Chipped from Austral terraces;  
Pink and white divinely blent  
In the bloom of Millicent;  
Glow of rich Etruscan gold  
In her glistening tresses rolled;  
Roseate trail to Evening Star;  
Glory-gleam from Gates Ajar;  
Seraph soul! God's angels know  
What the Gladiolus' glow  
Means to one who loved you so.

Minnie E. Blake, Colorado.

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Advertisements Under This Heading 20c a Word

### HELP WANTED

Manager wanted for country estate. Married man 35-40; no children. One who has a general knowledge of farm and garden work including flowers and landscape gardens. Must possess executive ability. While not required to lay out the details of the farm and garden, must be capable of overseeing the respective men in charge and generally manage the estate. We have separate men in charge of the farm and of the garden who will be subject to the manager. State education, experience, references and salary expected in first letter. Address, Parks Magazine, Lapark, Pa. Box 42.

\$1,080 made by Wingo in six weeks selling Never Fail Razor Sharpeners. Purdy made \$40.50 first day. Other inexperienced men cleaning up big money. Applewhite La., six orders in thirty minutes. Hurry—investigate—exclusive territory. Write today. Never Fail Co., 137 Allen Bldg., Toledo, O.

Agents—NEW INVENTION. HARPER'S TEN-USE brush set and fibre broom. It sweeps, washes and dries upstairs windows, scrubs and mops floors and does 5 other things. Big profits; easy seller. Free trial offer. Harper Brush Works, Dept. 11, Fairfield, Iowa.

All men, women, boys, girls, over 17, willing to accept Government positions, \$135. Write Mr. Ozment, 366, St. Louis.

\$210 monthly, expenses, free auto, to agents selling our poultry and stock remedies. Sunflower Poultry Farm, A42, Parsons, Kansas.

### MISCELLANEOUS

Missing and lost people located anywhere; full information free. American Investigating Service, Department 11, Bandon, Oregon.

Detective and Finger Print Experts opportunities everywhere. Particulars free. Wagner, 186 East 79th, New York.

Home spun smoking or chewing tobacco collect on delivery 5 pounds \$1.50; 10 pounds \$2.50; 20 pounds \$4.00. Farmers Association, Paducah, Kentucky.

Tobacco or snuff conquered or no pay. Remedy sent on trial. \$1.00 if cured. Fore Company, Oxford, Fla.

### OLD MONEY WANTED

\$2 to \$500 Each paid for hundreds of Old or Odd Coins Keep all old money. Send TEN cents for Illustrated Coin Value Book, 416. You may have valuable coins. Get posted. We pay Cash. Clark Coin Company, Ave 49, LeRoy, N. Y.

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Patents—Send for free book. Contains valuable information for inventors. Send sketch of your invention for Free Opinion of its patentable nature. Prompt Service. (Twenty years experience). Talbert & Talbert 418 Talbert Bldg., Washington, D. C.

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Stories, Poems, Plays etc. are wanted for publication. Submit Manuscript or write Literary Bureau, 519 Hannibal, Mo.

Earn \$25 weekly, spare time, writing for newspapers magazines. Experience unnecessary; details Free. Press Syndicate, 621, St. Louis, Mo.

Song Writers—Have you poems or melodies? I have wonderful proposition. Ray Hibbeler, D175, 4040 Dickens Av., Chicago.

### SEEDS, BULBS, PLANTS

Selling private collection Iris, 13 different unnamed \$1.00; Named \$1.50; Choicer named \$2.50 and \$3.50, post-paid, good value. Mrs. Rait, Mountain Lakes, New Jersey.

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Treated at home. No Pain, knife plaster or oils Send for free treatise.

A. J. Miller, M. D.

Clayton, Mo

# PICK THEM OUT

31 Plants, \$2.00: 15 Plants, \$1.00: 7 Plants, 50cts: 3 Plants, 25 cents. Postpaid

## Window Plants

*Achyranthus*, Besterl Mo-  
slaca, Light green and  
dark red variegated fol-  
lage  
*Beardii*, Broad pointed  
leaf of purple-crimson  
*Emersonii*, Purple red  
*Gibsonii*, Pointed green  
leaf with yellow marks  
*Lindenii*, dark purple,  
narrow pointed leaves  
*McNally*, Round, broad  
green striped yellow  
*Alternanthera*, *Seiboldii*,  
yellow  
*Jewell*, Rich carmine  
Versicolor, chocolate,  
crimson and green  
*Amomum Cardamomum*  
Handsome, delicious-  
ly-scented foliage  
plant of easy culture  
*Asparagus Sprengeri*  
*Plumosus Nanus*  
*Begonia Semperflorens*  
*Fuchsoides*  
*Bryophyllum Calycinum*  
*Campylobotrys Regia*  
*Cestrum Parqui*  
*Coleus*, in variety  
*Crasula Cordata*  
*Cyperus Alternifolius*  
*Daisy*, *Marguerite*, Single  
white  
*Eranthemum Pulchellum*  
*Eupatorium Serrulatum*  
*Riparium*  
*Ficus Repens*. A lovely  
creeper, attaches to  
and covers walls in  
the South  
*Geranium Zonale*  
*Buchner*, White

*Jean Vaud Pink*  
*Ricard Bright Red*  
*S. A. Nutt Dark Red*  
*Geranium*, Scented-leav'd  
*Habrothamnus Elegans*  
*Impatiens*, in variety  
*Ivy*, Irish or Parlor.  
Note, Grows in deep shade  
and is a good vine to  
festoon a room, or to  
cover a wall that is al-  
ways hidden from the  
sun. Of rapid growth.

*Jasmine Beesianum*  
*Revolutum*  
*Justicia Sanguinea*  
*Lantana*, in variety  
*Libonia Penrhosiensis*  
*Moon Vine*, Blue  
*Muehlenbeckia Repens*.  
Note. Exquisite little vine  
for a pot trellis, easily  
grown and exceeding-  
ly graceful. Also fine  
for bracket-pot, or  
basket

*Pilea*, Artillery Plant  
*Sansevieria Zeylanica*  
*Saxifraga Sarmantosa*  
*Solanum Grandiflorum*  
*Strobilanthes Anisophylus*  
*Dyerianus*, Metallic red  
*Tradescantia*, Multicolor  
Green and white  
*Vinca*  
*Variegata*

## Hardy Plants

*Ægopodium Podagaria*.  
Note. Fine, dwarf edging  
plant, perfectly hardy  
with graceful, dense  
foliage, light green

with a distinct white  
border. Easily grown  
*Artemisia*, Oldman  
*Aster Hardy*, Pink  
Blue  
*Bupthalmum Cordifolium*  
*Chrysanthemum Mixed*  
*Fragaria Indica*  
*Funkia*, *Fortunii*  
*Gypsophila Paniculata*  
*Hibiscus*, *Crimson Eye*  
Note. This bears immense  
showy flowers in huge  
clusters. Grows 6 to 8  
feet high, blooms free-  
ly in autumn.

*Hemerocallis*  
*Aurantica Major*  
*Flava*  
*Iris Liberty Mixed*  
*Pseuda Acorus*  
*Lamium Maculatum* pink  
*Linaria Delmatica*  
*Linum Perene*, Mixed  
*Matricaria Capensis*  
*Monarda Didyma*  
*Oenothera*, *Lamarckiana*  
*Youngii*  
*Peas*, Perennial Mixed  
*Pinks*, hardy mixed  
White  
*Pokeberry*, *Phytolacca*  
*Polygonum cuspidatum*  
*Poppy*, Royal scarlet  
*Primula officinalis*, yellow  
*Rhubarb*  
*Rudbeckia Newmanii*  
*Rudbeckia Purpurea*  
*Sage*, Broad-leaved  
*Shasta Daisy*  
*Alaska White*  
*Star of Bethlehem*  
*Sweet Rocket*, Tall, White

Tall, Purple  
*Sweet William*  
Mixed  
*Tansy*  
*Tradescantia Virginica*  
*Tricyrtis Hirta*, Toad Lily  
*Veronica Spicata* Blue

## Shrubs and Trees

*Amorpha Fruticosa*  
*Bignonia Radicans*  
*Boxwood*  
*Deutzia*, *Lemoinei*  
*Euonymus Americana*  
Variegated  
*Forsythia Viridissima*  
*Glycine Frutes*, *Wisteria*  
*Hydrangea*  
*Arborescens Grandiflora*  
Note: This is the splen-  
did Shrub advertised  
as Hills of Snow, the  
heads are globular and  
of large size.  
*Hydrangea Paniculata*  
*Ivy*, English, Green  
*Abbotsford* variegated  
*Lilac*, white, also purple  
*Mock Orange Sweet Scent-*  
*ed*  
*Pricel Berry*, evergreen  
*Rose*, *Crimson Rambler*  
*Lady Gay*  
*Double White Snow Drop*  
*Hiawatha*  
*Snow Ball*, Old Fashioned  
*Spiraea*,  
*Callosa alba*  
*Van Houttei*  
*Reevesii*, double white  
*Stephanandra Flexuosa*  
*Willow*, For Baskets  
*Weeping*  
*Yucca Filamentosa*

I can supply the following plants in larger size  
**Palm Kentia Belmoreana**, 50c each, 3 for \$1, Postpaid.  
**Peppermint Scented Geranium**, 25c ea; 5 for \$1. Pt'pd  
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**Fern, Scotti**, 35c each; 4 for \$1, Postpaid.

## EVERBLOOMING TUBEROSE BULBS

This charming, delightfully  
fragrant, pure white variety  
begins to flower in July and **PALM KENTIA BELMOREANA**  
continues throughout the season. Each bulb throwing  
from 2 to 5 flower spikes in succession. Plant in the open  
ground 6 inches apart, when the ground becomes warm.

6 for 50c; 15 for \$1.00; \$5.50 per 100 postpaid.

## DAHLIAS

12 Mixed Dahlias, \$1.00, Postpaid.  
25 Mixed Dahlias, \$2.00, Postpaid.

This lot is made up from named varieties that have become mixed  
through digging last fall. This mixture consists of Cactus, Show, Peony  
Decorative and Giant flowering Single sorts.



TUBEROSE



**GROVER C. SCOTT**  
LAPARK, PENNA.



# THE SQUASH GRUB, OR BORER, AND HOW TO EXTERMINATE HIM

"Many times when the Squash vines are a few feet long and young squashes have appeared, grubs may be found in the middle of the vines, near the root. Sometimes I have found six white grubs more than an inch long in a single vine. They bore into the vine an inch or two above the surface of the ground, and the holes may be discovered readily, as foam and fecal matter are constantly being worked out by the worms.

"In order to dislodge the grubs thrust the thin blade of a sharp knife through the vine and split it open so that the grubs can be discovered and killed. This is the only effectual way to raise squashes when the grub attacks the vines."—Laying the vine open will not injure it.—Thomas Bridgeman's "Kitchen Garden."

I find that the grub attacks the Squash plant when quite small, before the vines start to run, and causes a knot to form. This knot decays and injures the vine and often kills it. A liberal use of tobacco dust as a light mulch around the plants might prevent the depredations of these grubs, or borers, as some people call them. When these grubs are present it requires close attention to save them.

Wm. Findlay, Illinois.

## A RED, WHITE AND BLUE BED

A neighbor last Summer had a red, white and blue bed which was greatly admired. The bed was mound-shape and made over an old stump which had been too difficult to remove. In the centre were planted tall Scarlet Sage, which completely hid the stump, and around them came some pure white Snap Dragons. For the blue circle on the outer edge Larkspur and Centaurea were used. If preferred, Nicotiana could take the place of the Snap Dragon. Staten Island.

## FOR FILLING IN

If you have bare spots in your garden or yard, throw in a few seeds of Petunias and Portulacas. When sown one year they will always come up from self-sown seed the following season, and they do not have to be all "hoed" off until you see where there are little spots made vacant by the failure of some other seed to come up. Then it is but a few minutes work, or really play, to lift these little plants and put them in the new places. The Portulaca does not hurt anything in the garden if put out on the edge, or left to grow up where some of the vegetables have been dug too late to plant others. Try them.

Mrs. J. F. B., Pennsylvania.

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INDEPENDENT NATIONAL HOME WEEKLY

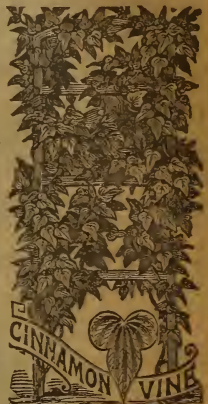
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 Why use Paint when 82c will paper Room 12 x 14, 9 ft. high  
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Plant Chinese Cinnamon Vines—the most beautiful, most fragrant and easiest grown of all climbers. Will grow a lifetime and make your windows, porches and walks, perfect bowers of beauty—deliciously perfumed. Reduced Price. 5 Selected Tubers with Catalogue 25 cts. 20 for \$1.00. 100, \$4.00. 1000, \$30.00 postpaid. Order now. Tell your friends. Club Agents wanted everywhere. Money for all. This is your last chance to get these splendid vines for half prices. Don't miss it.



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Learn how to save, learn about our self-selling plan. Mail the coupon at once for complete information, which does not obligate you in the slightest. This is your greatest opportunity to buy a brand new typewriter at a tremendous saving. Send the coupon below.

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Street.....

City..... State.....

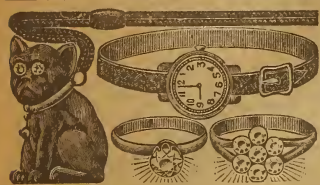
**VARIEGATED-LEAVED HOYA**

Seldom do we see the plain, green-leaved Hoya nowadays. It seems to be a back number, just as many other old plants which are not found in any Catalogue. More rare is the variegated leaved Hoya. The leaves bordered yellow and pink. I have had mine for years and it is surely a lazy plant, growing so slowly. Several winters Jack Frost took a nip at the plant and it would be months before new growth

commenced. The leaves root and, if you are patient, at last a tiny pink shoot will appear and you have a plant of Variegated Hoya. Ima, Ohio.

Note: Hoyas are Summer-blooming plants, needing an intermediate or warm temperature and plenty of sun and air while they are growing and blooming. They should be started into growth toward Spring, after having rested in a rather dry place during the Winter.

EDITOR.



**ALL THIS JEWELRY FREE**

This "Lucky Tig" CHARM with 36-inch Silk Cord, this im. WRIST WATCH with adjustable leather strap and buckle, this pair of sparkling pierceless EAR RINGS, a Gold plated RINGS and this handsome 36-inch Oriental Rice Bead NECKLACE with Tassel Beaded Drop. We give ALL these 7 articles FREE for selling only 12 Jewelry Novelties at 10 cents each. Send to-day. We trust you and treat you square J. J. MEAD MFG. CO., Providence, R. I.



**25 Strawberry Plants and a Year's Subscription 30 cts**  
**Beiler's Big Valley Berry**  
**The Largest, Sweetest Most Delicious Strawberry**



Last spring we announced in the Magazine we had 10,000 plants of this grand, new berry to distribute among our friends as an opportunity to try it. Actually Mr. Beiler was finally not able to let us have so many we had applications for considerably more. But we contracted with him then and there to take all he could grow, and we now have 140,000 plants in fine condition for mailing this spring. Spring is the only real season to plant Strawberries. If set out in the Autumn they are apt to be neglected and allowed to dry out.

This is truly a grand variety, a strong, vigorous plant, loaded with the largest, sweetest fruit. Mr. Beiler formerly grew quite a number of different sorts, selling his plants largely to those who would call and taste the berries—his business was both berries and plants. But as everyone wanted Big Valley he now grows it exclusively and says he often has berries 6 1/4 inches around. Last season was one of the driest ever known here and

here were practically no strawberries. On account of its deep growing roots Big Valley was loaded almost as heavily as usual. Color is bright crimson. Set plants 15 to 18 inches apart in rows 3 to 3 1/2 feet apart. Cultivate often. After four or five weeks begin working in well rotted manure a foot wide on each side of row—plenty of it—this means success.

**100 Plants and 4 Subscriptions \$1.00**

Please get 3 friends to join you and we will send you the hundred Plants, tied in separate bundles of 25, postpaid and the Magazine will be mailed to each of you for a full year—new or renewal, and you save 20 cents. Of course we would like the 3 friends to be new subscribers.

Some folks asked us if they might not subscribe for more than a year and get more plants. For the benefit of anyone who wants more plants we offer 100 plants, postpaid, and a five year subscription for \$1. But we would rather have the club of four, so as to add new subscribers to our list.



## GRANNY'S FLOWER GARDEN

My Ma was raking up the yard, while I burned brush and straw;  
The hens were scratching all around the most I ever saw,  
Pa stapled wires on the posts, I wove the pickets in,  
And Granny cheered us with her smile; I called it Granny's grin.  
My sister Jane was hunting eggs for incubator batch,  
She swung the basket round so much Ma said they'd never hatch;  
The sun crept round behind the house, we worked without our hats;  
Pa spaded up the garden, I finished weaving slats.  
I laid out beds and set out bulbs and planted seeds for flowers,  
While Granny supervision gave; she called the garden ours,  
But it was Granny's, every bit. How seeds would sprout and grow  
And show their pretty blossoms, for Granny loved them so!

Some foliage plants along the fence were set out in a row,  
For Granny knew what shades to choose to make the finest show.  
Sweet Williams and Petunias, with Phlox, both pink and white  
Bright Marigolds and Dahlias, too, all made a wondrous sight.  
Our patriotic flower-bed was red and white and blue,  
For seeds that Granny had me plant these colors brought to view.  
Verbenas red, their perfume spread to Zinnias shaded dark,  
And Pansies near the Ribbon Grass made garden like a park.  
With joy I worked for Granny when Ma was called away,  
Soon Granny'd say: "You've worked enough, you'd better stop and play,"  
Barefoot I'd go and make mud pies and have a jolly time;  
That mean word "don't" she never said, e'en when a tree I'd climb.  
When Granny called 'twas "James", not "Jim"; I'd run and jump and shout;  
Then she would smile and laugh at me; I think it cured her gout.  
And when she said: "How 'bout the weeds"? you should have seen me run  
To pull the weeds for Granny's sake and think it only fun.

It would indeed be very bad to treat dear Granny mean,  
For surely she's the sweetest soul a boy has ever seen.  
And when she gets to Heaven, there a garden she will found,  
And flowers grow for angel-bands to scatter all around.

James Russell Price, Illinois.

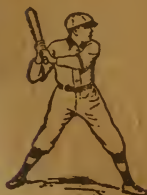
## ARE YOU PLANNING A HEDGE?

If so, try some of the Mallows. We have a Mallow Marvel whose blooms were immense last season, and the foliage never becomes coarse and woody—truly a Marvel. For an edging have low-growing plants such as dwarf Ageratum and dwarf Marigolds. The blue of the Ageratums and the brown and gold of the French Pigmy Marigolds make such a pleasing color scheme, and one that we have often tried. You can intersperse your hedge with the tall-growing Iris, and why not include several of the hardy Lily family and a few hardy Ferns?

For an odd corner that needs filling in use Hollyhocks; mine bloom continually. Golden Glow is another fine flower, although needing a moist situation, while perennial Phlox will grow in almost any place you care to put it.  
Mrs. Adam Heckman, Pennsylvania.

## BASEBALL Given SUIT and CAP

Strong, long-wearing, durable suit, with extra stout material in pants with pocket, belt, strap and knee elastic. League shape cap. Complete outfit, cap, shirt and pants, given for selling 40 cards of easy selling dress snap fasteners at 10c. a card.



## Fielder's Glove Given

Made of strong, heavy leather, well padded. For selling 20 cards of dress snap fasteners at 10c. a card. Send for big Premium List.  
SECCO SALES CO., Dept. P3. SALEM, MASS.



## Your Boy's Happiness

Is one of your first considerations. Get THE BOYS' MAGAZINE for him. He needs this great boys' periodical. Parents owe it to their sons to

give them clean, interesting and instructive reading that will make them self-reliant, manly and courageous.

## A N 8 MONTHS TRIAL SUBSCRIPTION FOR ONLY 50 cts

(This is 1-2 the regular price)

Each issue of THE BOYS' MAGAZINE contains from two to four splendid serial stories and from twelve to twenty thrilling short stories, besides special departments devoted to Radio, Mechanics, Electricity, Popular Science, Athletics, Physical Training, Stamp Collecting, Outdoor Sports, Amateur Photography, Cartooning, etc. Beautiful big pages with handsome covers in colors. Profusely illustrated throughout. A big lot of Jokes and Comic Drawings. Eight issues equal 20 big volumes which would cost, as books, at least \$20.00.

A special feature is the award of \$220.00 in cash prizes for the best amateur work in many subjects. There is no reason why YOUR boy should not win some of these prizes. Remember, only 50 cents for eight months. If you are not satisfied we will refund your money promptly and without question. Renit in stamps if more convenient.

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I accept your special half-price introductory offer and enclose 50 cents for which send THE BOYS' MAGAZINE for eight months to

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# New York Doctors Tell Women Just How To Round Out Face and Have a Shapely Figure

Very Remarkable Series of Tests Prove Amazing Value of MASTIN'S Vitamon Tablets to Increase Weight and Energy, Clear Skin and Act as a General Health-Building Tonic.



Your Weight  
Indicates Your  
Strength—Are You  
Losing or Gaining?

—MAKE THIS TEST—

If you are thin and undeveloped with ugly skin, flabby flesh and sunken cheeks you owe it to yourself to start today to take MASTIN'S Vitamon Tablets and see the amazing change that often quickly takes place in your weight and appearance.

away boils and many skin eruptions, aided digestion, increased the number of red blood corpuscles and most surprisingly reduced high blood pressure in many of the cases.

MASTIN'S Vitamon Tablets contain not only the purest form of concentrated yeast

**OBSTINATE CONSTIPATION  
and Bowel Irregularity of long  
Standing Often Yield Quickly**

**CLAX**

With the Use of The  
New Intestinal  
Cleanser of Cascar-  
in and Yeast.

PELETS

"More Than a Laxative."

May be Taken With MASTIN'S  
Vitamon Tablets.

Thin and run-down women everywhere who have vainly tried to put on firm flesh and build up a pretty, well-rounded form should read below of the truly surprising results produced by MASTIN'S Vitamon Tablets by several prominent New York Hospital Physicians recently. Twenty-two weak, thin, nervous men and women were selected at random from the workers of the metropolis and their progress closely watched from day to day by this Committee of Doctors. In no one case did anyone making the test lose a single day from work or change their regular mode of living—they simply took two of MASTIN'S Vitamon Tablets after each meal. At the conclusion of the third week, the weight, measurements and general physical condition of these cases were carefully checked—what the Committee of Doctors found out proved a wonderful surprise to themselves—a great joy to their patients and makes perfectly clear what you may expect MASTIN'S to do for you.

To quote one of these physicians "Out of twenty-two cases under observation many of them put on as much as 16 pounds." Not only did MASTIN'S Vitamon Tablets build firm flesh, but clear organic iron for your blood, the real salts of lime and other vitalizing brain, bone and tissue building elements of Nature, MASTIN'S provide just what your body must have to purchase real "stay-there" weight, strength and energy. Insist upon MASTIN'S to get the real VITAMON. You can get MASTIN'S at all good druggists.

if it isn't **MASTIN'S** it isn't **VITAMON**  
The World's Standard Used by Millions



(Concluded from page 141)

X. Shall we kill and eat Bob White? If not, why not?

### Answers to April Questions

I. The eggs of toads and frogs are deposited in water, usually in stagnant, shallow water, in early Spring. Toads are later at the pond than frogs. The American Toad's eggs are in long, unbroken strings, sometimes as many as 12,000 in a laying. Eggs of some of the tree frogs may be found singly or in small clusters; but the habit among the frogs is to lay them in large masses; sometimes they are free and floating on the water, sometimes attached to water weeds.

II. Ten days old.

III. Their little round mouths are provided with horny jaws, and they scrape off tender ends of leaves and stems; sometimes they devour the green jelly-masses from which they hatch; they also act as scavengers and eat any dead animal matter that may be in the pond.

IV. The tail is absorbed. It keeps getting shorter and narrower until it is wholly gone, and then the tadpole is a tadpole no longer, but a nice little frog.

V. If the tadpole's tail gets bitten off any time before the period of resorption, it will grow again. It is the same if he loses a limb. This is called regeneration. After he becomes a frog he loses this power of regeneration.

VI. Forty years, or older.

VII. They have no external ear; the flat, vertical oval behind and a little lower than the eye is the outer evidence of the ear drum which is covered and protected by the skin.

VIII. The toad's tongue is fastened at the front instead of at the back. It has a sticky surface, and when Mr. Toad throws it out toward a bug, it is good-by-bug!

IX. If the moulting takes place in the water, the skin floats away in large pieces; if the frog is out of water, he does like the American Toad—swallows his skin.

X. Toads and frogs hibernate during the cold weather. They hide away under logs and stones, or in the open ground, or deep in the mud of ponds, and sleep the Winter away.

### A PLEASING BORDER

Hollyhocks in the background, with Iris in front, make a pretty border. In the wet part arrange a few rocks here and there, filled in with some sand and leaf-mold, and plant hardy Ferns in the background with Lilies of the Valley in front. If a few Nasturtiums are planted in between the Iris, they will furnish bloom when the Iris and Lily of the Valley have faded, and blossom all Summer and into the Fall, vying with the Hollyhocks in their bright colors. Mrs. G. J. Fuller, California.

### PORTULACA

One of the prettiest things I had last year was a bed of mixed double and single Portulaca. One packet of seed scattered over the allotted space made such a bright patch of color, and the best part about them was that they never gave me any trouble. They just came up and grew with no special care at all, and every day was a solid mass of bloom.

Mrs. A. Grayson, Mississippi.

We have put moth balls in the ridges with our Sweet Potatoes and in the beds with our bulbs and find that Mr. Mole soon leaves us. He cannot stand the perfume.

Mrs. J. R. White, Maryland.

## MAKE YOUR

wife's or mother's wash tub into a

## WASHING MACHINE



It's easy to wash a tub of clothes in 5 to 10 minutes—clean and without wear, with the Vac Cup Attachment, the Semi-Automatic Washing Machine. No electric or water power necessary. Vacuum and suction principle—formerly the Dodge and Zuill Syracuse "Easy." Sent on 30 days' free trial. Easy monthly payments if desired. Send postal card for how to save work.

Burlingame Mfg. Co., 5235 Sunset Avenue, Syracuse, N.Y.

# Cured Her Rheumatism

Knowing from terrible experience the suffering caused by rheumatism, Mrs. J. E. Hurst, who lives at 508 E. Olive St., B 23, Bloomington, Ill., is so thankful at having cured herself that out of pure gratitude she is anxious to tell all other sufferers just how to get rid of their torture by a simple way at home.

Mrs. Hurst has nothing to sell. Merely cut out this notice, mail it to her with your own name and address, and she will gladly send you this valuable information entirely free. Write her at once before you forget.

# Birth Control

The BOOK You Have Always Wanted CLEARLY and PLAINLY WRITTEN

\$2

Cash

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or

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Or sent C.O.D. If desired

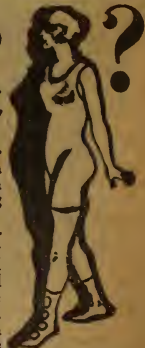
By a Distinguished American Physician Contains Several striking Illustrations

Send for it today. When the Supply is exhausted you cannot get a copy at any price.

Dept. 28, Human Welfare Society, 257 West 71st St., New York.



# Too Fat



Mabel R. Dillon reports reduction 7 inches waistline in only two months and "health gloriously better—looking a dozen years younger."

Over 48 pounds loss of burdensome fat is reported by Andrew R. Chaney, who used Korein Tablets and followed Korein system directions. The average was a pound daily. Another message comes from Mrs. E. L. Castle, who reports loss of 47 pounds. Her average was three pounds a week. Geo. Reynolds reduced 64 pounds. Mrs. M. L. Lienyer reports 66 lbs. reduction. Get KOREIN TABLETS, follow directions of Korein system. Absolutely safe, easy, pleasant. Eat all you need. No strenuous exercising. Sold at all busy druggists'. Or mail \$1., cash or stamps, for package (plain wrapper, postpaid) to KOREIN CO., ND-406 Sta. X, NEW YORK

# STATELY GLADIOLUS

## The Most Beautiful of All Late Summer Flowers

Gladiolus are among the most popular late Summer blooming bulbs easily grown, adaptable to almost any soil, free from disease and pests very attractive while growing and blooming and last a long time as cut-flowers.

The superb collection offered by us this season furnishes a wide range of colors and varieties and is bound to be a source of great delight to all growers.

Our quantity price is so low that it enables you to plant large numbers of this most popular bulb. All sent postpaid at prices given, excepting by hundreds, which are sent by express, receiver to pay express charges.

### Choice Named Varieties

Gladiolus are constantly growing more popular and the fact that their importation from foreign countries is prohibited, has resulted in American growers producing many very fine improvements, and this season the variety, both as to name and color, is greater and better than ever.

Our bulbs are firsts, largest, finest blooming size. Cultural directions sent with every order.

**America.** One of the choicest bedding and cutting Gladiolus. A beautiful, soft, lavender-pink, Orchid-like in color and texture.  
5c each; 50c a dozen; \$3.50 per 100, by express.

**Angusta.** Pure white with blue anthers. Very fine.  
5c each; 50c a dozen; \$3.50 per 100, by express.

**Attraction.** Deep, rich crimson, with white center. A beautiful flower.  
5c each; 50c a dozen; \$3.50 per 100, by express.

**Baron J. Hulot, or Blue King.** Royal, violet blue; a really blue Gladiolus and one of the most lovely and satisfactory.  
7c each; 75c a dozen; \$5.00 per 100, by express.

**Brenchleyensis.** Vermillion-scarlet. The best of that color for massing.  
5c each; 50c a dozen; \$2.25 per 100, by express.

**Chicago White.** Flowers are pure white with faint lavender streaks in the lower petals; very large flowers. The best white for early blooming in open ground.  
7c each; 75c a dozen; \$5.00 per 100, by express.

**Europe.** The best pure, snowy white, without an exception, with finest spike of bloom and largest individual flowers. Scarce and in great demand on account of its quality.  
15c each; 4 for 50c.

**Halley.** Early, pure salmon-pink. A popular and very fine bedder.  
5c each; 50c a dozen; \$3.50 per 100, by express.

**Isaac Buchanan.** Handsome, pure yellow. A great yellow novelty; prized on account of its wonderful shape and appearance.  
15c each; 4 for 50c.

**Klondyke.** Clear yellow, with crimson-maroon blotches in the throat.  
5c each; 50c per dozen; \$3.50 per 100, by express.

**Mrs. Frances King.** A wonderful light scarlet or fire color.  
5c each; 50c a dozen; \$3.50 per 100, by express.

**Mary Blackman.** Flowers a beautiful shade of salmon-red; the lower petals finely penciled and feathered at the base with carmine on a rich, golden yellow. Lasts a long time when cut.  
10c each; \$1.00 per dozen; \$7.50 per 100, by express.

**Mrs. Frank Pendleton.** Salmon-pink with brilliant deep red blotches in the throat. The flowers are very large, borne on long, strong, straight spikes. Rivals many of the finest Orchids and is considered one of the choicest Gladiolus.  
10c each; \$1.00 per dozen; \$7.50 per 100, by express.

**Peace.** Immense, pure white flowers, with a gentle touch of carmine in the lower petals; borne on tall, graceful spikes. A very lovely and chaste flower.  
10c each; \$1.00 per dozen; \$7.00 per 100, by express.

**Panama.** Similar to America. and has all its good qualities. One of the very finest.  
10c each; \$1.00 per dozen; \$7.00 per 100, by express.

**Schwaben.** Clear canary yellow, with a small blotch of deep garnet in the throat. Large, well-expanded flowers, on shiny, erect stalks. One of the choicest.  
10c each; \$1.00 per dozen; \$7.00 per 100, by express.

**Primulins Hybrids Mixed.** Greatly improved on the originally imported Primulins, with good size flowers, ranging in color from light yellow to orange, apricot and crimson, borne on long, graceful spikes.  
5c each; 45c per dozen; \$3.00 per 100, by express.

All orders receive prompt attention, are carefully and accurately filled, and safe delivery in first-class condition guaranteed.

Jersey Seed Farms,

150-157 Water Street,

New York



GLADIOLUS



## DECORATION DAY

The soldiers of the Civil War  
That faced the shot and shell,  
All for the cause they thought was right  
Have served their country well.  
They bore the burden of the strife  
And fought in by-gone days;  
They loved their country more than life,  
Then let us give them praise.

So let the band play Dixieland,  
While we wave the banners gay,  
For hate and envy from the heart  
Have long since passed away.  
And forgotten are the years of strife,  
And the battle fields of yore,  
For the people of the North and South  
Will meet as foes no more.

And when we meet to deck the graves  
On Decoration Day,  
We'll scatter flowers over the Blue  
The same as over the Gray.  
Mrs. Rosie Quarles, Virginia.

## IT IS BLUE-BONNET TIME

The Blue-Bonnet is the State Flower, made so by the State Legislature of Texas on February 28th, 1901. In the Spring the hillsides of Texas are carpeted with a gorgeous display of true blue and purple. A person that has never seen these acres of Nature's free gift cannot appreciate the sight, they must be seen in their full glory. There are a great number of species of the Lupine family in America, mostly in the West, but Texas is the native home of this brilliant flower that comes to us from year to year in Nature's own way.

The flower is made up of five petals, one that stands up as a signal, two on either side and two at the bottom. The petal at the top is larger than the others and it has a white spot at the base which truly forms a "Lone Star" in each blossom. This spot changes color, as the flower matures, to a blood-red, justly representing the price paid in blood for the freedom of the State.

I do not know of another flower that Texas could have chosen as her "Emblem Flower" that would so completely fill the bill. The blue, as we imagine, is for the true-hearted, the white is the emblem of purity and the red is the price our men paid in sacrifice on the altar when they broke away from Mexico.

W. L. Gillaspay, Texas.

Dear Madame "Azalea":

I was so very much interested in the story of the origin of the Daisy as told by the Celtic legend. I have been collecting Daisy stories for years—have a Daisy Album—and I never heard it before. Do you keep a flower album? You never heard of such a thing? How strange! Well, it is simply fascinating. You select a flower, get a big blank book and then keep ever on the watch to find in book, magazine or papers information, quotations, poems, essays, stories of that particular flower; cut out and paste in the album such scraps as you can and write in the bits that are in books or magazine, that cannot be mutilated. You will be surprised at the way in which the work will grip you and the amount of knowledge which you will gain will astonish you. I have a dozen albums, devoted to different flower subjects, going all the time. Such pleasure as they have given me is without price. I love to give time to them on rainy and depressing days, then I get the full benefit of their cheering qualities. Some of the poems are the sweetest verses that I have ever read.

(Salix Caprea.)

Pussy Willow.

# Deafness



Perfect hearing is now being restored in every condition of deafness or defective hearing from causes such as Catarrhal Deafness, Relaxed or Sunken Drums, Thickened Drums, Roaring and Hissing Sounds, Perforated Wholly or Partially Destroyed Drums, Discharge from Ears, etc.

## Wilson Common-Sense Ear Drums

"Little Wireless Phones for the Ears" require no medicine but effectively replace what is lacking or defective in the natural ear drums. They are simple devices, which the wearer easily fits into the ears where they are invisible. Soft, safe and comfortable. Write today for our 168 page FREE book on DEAFNESS, giving you full particulars and testimonials.

WILSON EAR DRUM CO., Incorporated  
824 Inter-Southern Bldg. LOUISVILLE, KY.

# BUNIONS

## Stops Pain-Removes Hump-Try It At My Risk

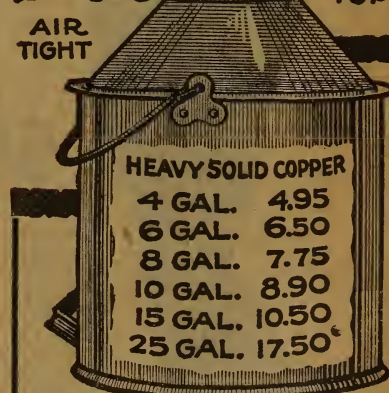
Here is good news for bunion sufferers. I don't care how bad your bunion is or how you have doctored without success. I positively guarantee that my new combination treatment—PED-O—will end the pain and banish the ugly hump, or I make no charge for the treatment. No pads, no plasters; no clumsy appliances, but a new different method that gets results. Don't doubt—don't hesitate. You will be amazed and delighted. Send postcard for full treatment. If results are satisfactory, it costs you \$2.00; if not it costs you nothing. Address:

H.D. POWERS, Originator, Dept. B-227, Battle Creek, Mich.

# Factory Sale

AIR  
TIGHT

SCREW  
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HEAVY SOLID COPPER

4 GAL.	4.95
6 GAL.	6.50
8 GAL.	7.75
10 GAL.	8.90
15 GAL.	10.50
25 GAL.	17.50 <sup>c</sup>

## COPPER KETTLES

All made of 16, 18, 20 and 22 gauge best cold rolled heavy solid copper. Non-corrosive. All solder outside. 5 inch air-tight screw cap. Absolutely guaranteed to be the best and strongest kettle made.

Packed in strong, plain boxes. Above are lowest factory cash prices. Send money order or draft with order.

Catalogue of other goods at cut prices FREE, upon request. Price of copper going up. Order now before prices advance. Order at once.

THE HOME MANUFACTURING CO.,

Dept. K92 2650 No. Halstead St., Chicago.

Reference: Cosmopolitan Bank, Chicago, Ill.

# How To Easily **REDUCE FAT**



This **FREE OFFER** is made for anyone, either sex, who is either just beginning to put on excess weight, or already burdened with unsightly fat on any part of the body. We want you to possess for your own use, our safe reducing method, so you may take off your fat and look and feel your best. In other words we want to send our trial "health package" without a penny of expense to you—a complete testing supply of Phytone Reducing Materials, the famous home treatment used by fleshy people all over the country. Many report losing weight at rate of a pound daily, with a constant improvement in health and energy as fat vanishes. In using the Phytone Method you are your own doctor. Nothing else required. It is absolutely modern and entirely harmless for even the most delicate person. There are no old fashioned "anti-fat" poisonous drugs to take, no starving and no ridiculous exercises to preform. As one of our friends puts it: "You can eat and grow slender." Therefore, if you want to vastly improve your appearance so that no one will again call you "fat," if you want to be able to run upstairs without getting out of breath, if you want to feel young again, you should use Phytone.

## **50c Pkg' FREE**

Just your address on a postal will bring a full 50-cent package of Phytone Reducing Materials to you by return mail free in plain package. Also a copy of our famous "Lessons in Self Reducing", which every fat person can profit by. After using free supply we will send you a full treatment of Phytone on trial on the understanding that it will cost you nothing unless you are reduced. But at first use the free package as a test.

ADDRESS;

**THE PHYTONE COMPANY,  
Dept.14B,123 W.64th St.New York**



## ROBIN RED-BREAST

Cheery Robin Red-Breast  
Sat upon a tree,  
As happy as ever  
A birdy could be,  
Singing his song  
So happy and gay;  
But then all at once  
He flew far away.

What, gone? I'm so sorry!  
I wish you would stay  
And sing your sweet song  
To me all the day.  
For my heart you fill  
With joy and delight,  
I wish you would sing  
From 'morn until night.  
Sanford A. Graves, New York.

### QUESTION

Will some one who has studied the Cactus of foreign localities tell us what varieties, if any, bear flowers that stay open for more than two days. The individual flower is meant here. Those in cultivation are subject to atmosphere conditions; the ones growing where native are those inquired about. A question arose: one party contends at the flowers open in rotation; the other, that one flower will open as many as seven days in rotation.

Wild Rose, Arizona.

## THE LEGEND OF THE PASSION FLOWER

Many and interesting are the stories and superstitions connected with the Passiflora and it is thought that the Spanish Friars in America were the first to call it the "Flower of the Passion". The five stamens they believed suggested the five wounds received by Christ when nailed to the cross, but by others are thought to be emblematic of the hammers which were used to drive the three nails, the latter being represented by the three styles with capitate stigmas. In the central receptacle one can detect the pillar of the cross, and in the filaments is seen a likeness of the crown of thorns on the head. The calyx was supposed to resemble the nimbus with which the sacred head is regarded as being surrounded.

One legend suggests that the ten colored parts of the floral envelope correspond to the ten apostles present at the Crucifixion, Peter and Judas being absent. The long axillary coil tendrils portray the cords, or the scourges used and the digitate leaves, the hands of the persecutors.

A Maryland reader remembers in an old Jewish legend that the flower was originally white, some growing at the foot of the cross on Golgotha. When Jesus' side was pierced with the spear, a drop of the divine blood fell upon the flower, changing it to the purple of to-day.

### EXCHANGES.

H. N. McConnell, Boulder, Colo. Dahlias for Indian relics of stone, bone or copper.

Mrs. P. A. Hagelberg, RFD. 6, Charles City, Iowa. Gladstols, Madelra Vine and Flower seeds for house plants.

Mrs. R. Moss, 216 Natividad St., Salinas, Calif. Iris, Geraniums, Carnations and snap shots for snap shots.

Mrs. S. Wooden, Box 336, Seymour, Iowa. Mums and Tiger Lilies for Tiger Lilies, Phlox and other flowers and shrubs.

Mary R. Reed, 521 Azusa Ave., Azusa, Calif. Seeds, plants and bulbs for Peony, Bleeding Heart, Iris and other bulbs. Write.

Mrs. O. P. McClure, RFD. 3, Vincennes, Ind. Lilies of the Valley, Mums, Daffodils and Peonies for Clematis and Mums.

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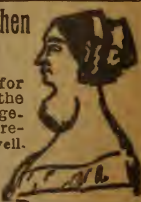
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W.P. WORTH, 74 Cortlandt St., New York

## QUESTIONS AND ANSWERS

**Q.** How can Easter Lilies be kept from one season to another?—Mrs. R. V. H., Michigan.

**A.** After the Easter Lilies have finished blooming, turn the pot on its side and let the bulbs dry out. Then put them away in a dry, cool place until next planting season.—ED.

**Q.** I would like to know something about the Watsonia.—Mrs. C. B., Arizona.

**A.** Watsonia are bulbous plants belonging to the family Iridaceae, used in the garden for Summer bloom. They are very much like Gladioli, the similarity being noted in the corns, leaves, spikes, and season of bloom, but the Watsonia is not so easily and safely stored as the Gladiolus.—EDITOR.

**Q.** 1—Are Feverfew grown from seed? 2—Can I leave Tulips and Hyacinths out during the Winter in this climate?—J. A., North Dakota.

**A.** 1—Feverfew is Chrysanthemum Parthenium, also known as Matricaria, and is propagated by seed. 2—Yes, freezing does not injure Tulips, Hyacinths or hardy Narcissus, but if left in the ground from year to year they suffer from moles and mice.—EDITOR.

**Q.** What method do you use to get Justicia slips to root? Mrs. R. W. D., Tennessee.

**A.** Cuttings should be 3 inches in length and potted singly, in two-inch pots, in 3 parts sand, 1 part loam and 1 part leaf-mold. Place them, when potted, in a shady situation, in a temperature of not less than 60 degrees at night. When thoroughly rooted, shift them along into a pot 2 inches larger, using this time a compost of equal parts of loam, leaf-mold and sand, to which add a third part of well-rotted manure. Cuttings made in late Winter or Spring should bloom the following Fall or Winter. Justicia compacta comes true from seed and J. furcata is said to seed itself in southern California.—EDITOR.

**Q.** Please tell me why my Dahlias do not bloom. They grew luxuriantly and bloomed when my Mother had them.—Mrs. A. E., Kansas.

**\$30. WEEKLY** EVENINGS! made it. Booklet for stamp tells how. Plan 25c.  
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## FINE NEW FORD TOURING CAR GIVEN

15	8	25	15	21
8	5	14	18	25

### Solve This Puzzle. Win Fine Prize

The figures represent corresponding letters in the alphabet. Figure 1 is A, 2 is B, 3 is C, and so on. The ten figures spell three words. Send the three words with your name and address quick. I have given away many

Autos, Cash Rewards and other Prizes. My plan is so simple it is easy to win.

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All can share in these EASY-TO-WIN prizes. Besides I am going to give away Phonographs, Bicycles, Gold Watches, Kodaks, Silverware, Dinner Set, etc., and Cash Rewards. No experience is required. You don't put up a penny or do any hard work. Don't let any one in your neighborhood beat you to it. The quicker you act, the bigger your winnings. Send me your answer to the puzzle with your name and address without delay.

DUANE W. GAYLORD, 537 S. Dearborn St., Dept. 46, CHICAGO, ILL.





A. When grown in a soil that is tenacious, partially sour, Dahlias often fail to bloom. Apply one pound of air-slacked lime to the square yard of surface and stir in well. Lime sweetens the soil and makes it porous.—ED.

Q. What perennials can be planted in the Spring successfully?—M. M. L., Minnesota.

A. Delphinium, Aquilegia, Shasta, Daisy (Chrysanthemum Maximum), Gaillardia Grandiflora, Coreopsis, Baby's Breath (Gypsophila Paniculata), Pyrethrum, Oriental Poppies (Papaver Orientale) and Salvia azurea grandiflora.—EDITOR.

Q. What are the habits of the Iris borer and how can I get rid of it? I. H., Pennsylvania.

A. The adults of the borer appear in the Fall and lay eggs about the base of the Iris stalks. These hatch about the last week in May. The larvae first attack the stems some inches above the ground and gradually work downward, the full-grown caterpillars operating in the roots.

Control Measures. The affected stems should be cut out and burned, thus destroying the caterpillars at the beginning of their attack. Spraying with arsenate of lead about the time the insect begins operations, the latter part of May, helps to destroy them. Winter burning of the debris on Iris beds, if this can be done without injury to the roots, is the simplest and most effective method of keeping the borer in check.—EDITOR.

Q. How can I get rid of the Aphids which are destroying my peas?—Mrs. C. M. S., N. Carolina.

A. The standard remedy for all forms of garden plant-lice, or aphids, is a nicotine sulphate solution made as follows:

Nicotine sulphate (40 per cent) 3 pt. or 6 oz.  
Soap (liquid or dissolved) 2 lbs.  
Water 50 gals.

This formula gives one part nicotine sulphate to 1000 parts of water. To make one gallon for use in spraying, use a teaspoonful of nicotine sulphate and an inch cube of soap. Nicotine sulphate is a contact poison and the insects must be wet by the spray or hit by it to be killed. Sprinkling or dry-spraying with extremely fine tobacco dust is of some value if applied early in the morning when the dew is on the plants.—EDITOR.

Q. Please give me the names of some fragrant annuals.—Mrs. J. H. L., Illinois.

A. Heliotrope, Mignonette, Stocks, Lemon Verbena, Annual Wallflowers, Sweet Sultan (Centauria Imperialis), Nicotiana, Four O'clock (Mirabilis), Sweet Alyssum.—ED.

Q. Is a Jessamine a Jasmine or a Gardenia? One catalogue says one and another says the other.—J. C. P., Maine.

A. Cape Jessamine is Gardenia jasminoides, while Malayan Jessamine is Rhyncospermum jasminoides. Jasminum, an Arabic name from which have come Jessamine, Jasmin and Jasminum, is the name of the group of plants which are commonly known as both Jessamine and Jasmine, these latter names being used synonymously.—EDITOR.

Q. What must I do for a green fly on my Lettuce?—E. M., Maryland.

A. Spray the plants with soap and water or dust with tobacco dust.—EDITOR.

## Rheumatism

A Remarkable Home Treatment  
Given by One Who Had It

In the spring of 1893 I was attacked by Muscular and Sub-acute Rheumatism. I suffered as only those who are thus afflicted know, for over three years. I tried remedy after remedy, but such relief as I obtained was only temporary. Finally, I found a treatment that cured me completely, and such a pitiful condition has never returned. I have given it to a number who were terribly afflicted even bedridden, some of them seventy to eighty years old, and results were the same as in my own case.

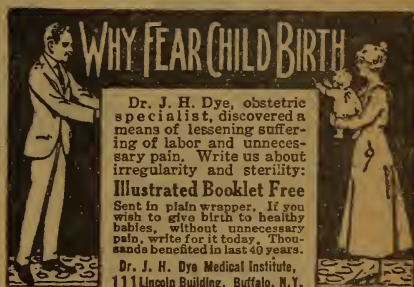
I want every sufferer from any form of muscular and sub-acute (swelling at the joints) rheumatism, to try the great value of my improved "Home Treatment" for its remarkable healing power. Don't send a cent; simply mail your name and address and I will send it free to try. After you have used it and it has proven itself to be that long looked for means of getting rid of such forms of Rheumatism you may send the price of it. One Dollar, but understand, I do not want your money unless you are perfectly satisfied to send it. Isn't that fair? Why suffer any longer, when relief is thus offered you free. Don't delay. Write today

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Age? \_\_\_\_\_ How old is Goitre? \_\_\_\_\_ yrs.  
Nervous? \_\_\_\_\_ Hands Tremble? \_\_\_\_\_  
Do eyes bulge? \_\_\_\_\_ Does heart beat too rapidly? \_\_\_\_\_  
Name \_\_\_\_\_ Health? \_\_\_\_\_  
Address \_\_\_\_\_

# Do You Want \$200 a Week?

The Amazing Story of Carl Rowe Who Rose From An Income of

\$50.00 A Week To \$1,000 A Month

**M**Y name is Rowe-- Carl Rowe. I live in a small city in New York State.

I am going to tell you an amazing story about myself. It may seem too strange to believe, but you can easily verify everything I have to say.

Two years ago I was a baker. I was struggling along, trying to make the money in my pay envelope meet the increasing expenses of our family. There was no prospect for the future.

Today just two years later, I am a successful business man. I have plenty of money for all the things we need and want. Last month I made \$376 during my spare time, and was able to put \$200 a week in my savings account.

I am going to tell you how it happened.

Please remember that two years ago I had no surplus cash. I was in the same fix as nine out of ten other men. Expenses were constantly mounting and my salary, although it had increased, could not keep pace with the cost of living. My wife had to do without things that I knew she ought to have. We wanted an automobile, but we couldn't afford it. We wanted to buy our own home, but we couldn't afford that.

It made me desperate to think of what might happen if I became sick or lost my job. I worried about it, and so did my wife. We were living from hand to mouth, and we didn't know what calamity and hardships might be lurking just around the corner.

And yet--today--I own our nine-room house. I have an automobile. I have money for books, the theatre, or any other pleasures that I may want. I have the cash today to educate my son and send him through college.

Here is how it happened. One day in glancing through a magazine I read an advertisement. The advertisement said that any man could make from a hundred to three hundred dollars a month during his spare time.

I didn't believe it. I knew that I had worked hard eight hours a day for \$50.00 a week, and I figured that no man could make that much during a couple of hours a day spare time.

But as I read that ad I found that it pointed to men who had made that much and more. In the last paragraph the advertiser offered to send a book without cost. I still doubted. But I thought it was worth a two-cent stamp, so I tore out the coupon and put it in my pocket and next day on my way home from work I mailed it.

When I look back to that day and realize how close I came to passing up that ad, it sends cold chills down my spine. If the book had cost me a thousand dollars instead of a two-cent stamp, it would still have been cheap. All that I have today--an automobile, my home, an established business, a contented family--all these are due to the things I learned by reading that little eight-page booklet.

There is no secret to my success. I have succeeded beyond any dream I may have had three years ago, and I consider myself an average man. I believe that I would be criminally selfish if I did not tell other

people how I made my success.

All the work I have done has been pleasant and easy, and withal, amazingly simple. I am the representative in this territory for a raincoat manufacturer. The booklet I read was one issued by that company. It tells any man or woman just what it told me. It offers to anyone the same opportunity that was offered to me. It will give to anyone the same success that it has brought to me.

The Comer Manufacturing Company are one of the largest manufacturers of high-grade raincoats on the market; but they do not sell through stores. They sell their coats through local representatives. The local representatives does not have to buy a stock. All he does is to take orders for Comer raincoats and he gets his profit the same day the order is taken. Fully half my customers come to my house to give me their orders.

My business is growing bigger every month. I don't know how great it will grow, but there are very few business men in this city whose net profit is greater than mine, and I can see only unlimited opportunity.

If you are interested in increasing your income from \$100 to \$1,000 a month and can devote all your time or only an hour or so a day to this same proposition in your territory, write The Comer Manufacturing Company at Dayton, Ohio. Simply sign the attached coupon and they will send you the eight-page booklet referred to by Mr. Rowe and full details of their remarkable proposition.

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Please send me, without obligation on my part, copy of your booklet and full details of your proposition.

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